CHEMIST and DRUGGIST JANUARY 15, 1944

The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

3336 VOL. CXLI JANUARY 15, 1944 Annual Subscription (with Diary) 25/-. Single Copies 9d.

INTERESTING EVENTS IN PHARMACY No 25

1788 1851

RICHARD HOTHAM PIGEON

The first Treasurer of the Pharmaceutical Society of Great Britain and one of its original 821 members. He was also one of the partners of Burgoyne, Burbidges & Company who take pride in remembering the important work of the Pharmaceutical Intellectuals of those days.

Our portrait is reproduced from a character part of Pigeon in the Centenary play "Jacob Bell and some others," by H. N. Linstead, to whom acknowledgment is made, the "likeness" being taken from an original engraving.

BURGOYNE BURBIDGES

Established 1741. & COMPANY LIMITED, LONDON. E.6

RED DIAMOND BRAND

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Parke, Davis & Co.

ask for the indulgence of pharmacists towards the firm's endeavours to secure, on the . . . basis of their customers' 1939 orders, a fair . . . distribution of . . . their own officially restricted stocks . . .

MEDICAMENTA VERA

50 BEAK STREET, LONDON, W.1

Inc. U.S.A. Liability Ltd.

Milton Bulletin No. 18

P.A.T.A.

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In view of the heavy demand for Milton Nasal Sprays, we would stress the importance of ordering now. While we have ample stocks at the moment, neglect to order may mean delay in dispatch, due to shortage of staff and general wartime conditions.

The Milton Nasal Spray, although designed primarily for spraying the nose and throat, may be used for spraying the air in small rooms. This is invaluable as a prophylactic against colds and influenza.

Recommend the Milton Nasal Spray to your customers, and show the striking display piece featuring the Spray.

Milton Nasal Sprays may be included in the Milton £2 and £5 carriage paid bonus parcels. The retail price is 3s. 6d., free of purchase tax.

If you are not ready to order other Milton products and are in need of Sprays only, these may be ordered separately. We suggest the following parcels:—

1½ doz. Nasal Sprays at 31/6 per doz.: £2 7s. 3d.
5/- will be allowed off this amount for display.
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Send your order NOW *and ask for the distinctive showcard.*

Milton Antiseptic Ltd., Chapel Lane, Sands, High Wycombe, Bucks

A

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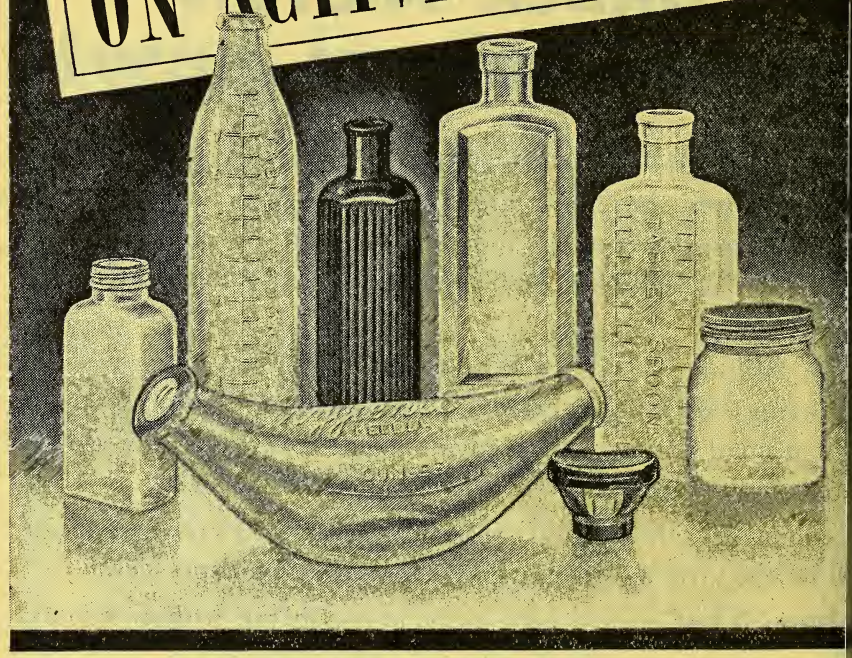

Glass containers are in short supply due to ever-increasing demand for government and civilian purposes.

Our three factories are ceaselessly at work—and are making a sound contribution to the general war effort.

Many of our employees are on Active Service, yet we are doing our cheerful best to satisfy the demands of our many friends. Whilst our activities are perforce confined to bottles and jars for essential food and drug purposes, every endeavour is being made to give prompt deliveries on an equitable basis.

WHOLESALE & EXPORT ONLY

LAX & SHAW Ltd.

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BIG NATIONAL ADVERTISING SCHEME NOW APPEARING

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RATIONING AND VITAMIN A

It can be anticipated that the demand for Crookes' Halibut Liver Oil this year will be greater than ever before.

Vitamins A and D are established as essentials to wartime dietary and extensive reminders of their value will be stressed in all advertisements in the National Press.

Owing to packing and other wartime difficulties, it is advisable to order your winter stocks as soon as possible. Our schedule of bonus parcels, as seen from the list, has not been altered.

TERMS OF SUPPLY

1. *Bonus in kind will be allowed only when one or more standard parcels G, H, J, K, L, M are ordered.*
2. *The order must be accompanied by cash. No pro-forma invoices can be issued.*
3. *Orders for broken parcels or unaccompanied by cash will not be entitled to bonus in kind.*
4. *Bonus in kind cannot be allowed on any other Halibut Oil Products.*
5. *We must reserve the right to restrict the number of parcels supplied to any one establishment and thereby, as far as possible, ensure fair distribution.*

CROOKES' HALIBUT LIVER OIL
Standard Parcels of Drops or Capsules only

	Bonus	Sell	£ s. d.
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.. 10%			4 6
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.. 10%			5 5
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PARCEL J = 1 DOZEN 12 x 30 c.c. 9/- Drops	1	9/-	5 8 0
Less 25%			1 7 0
			4 1 0
.. 10%			8 1
*Amount of cash with order			*£3 12 11
PARCEL K = 6 DOZEN 72 x 5 c.c. 2/- Drops	12	2/-	7 4 0
Less 25%			1 16 0
			5 8 0
.. 10%			10 10
*Amount of cash with order			*£4 17 2
PARCEL L = 1 DOZEN 12 x 100 Capsules	1	8/6	5 2 0
Less 25%			1 5 6
			3 16 6
.. 10%			7 8
*Amount of cash with order			*£3 8 10
PARCEL M = 3 DOZEN 36 x 100 Capsules	3	8/6	15 6 0
Less 25%			3 16 6
			11 9 6
.. 10%			1 3 0
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Every pharmacist will recognise that Vykmin represents the latest step in vitamin therapy. It is an advanced formula.

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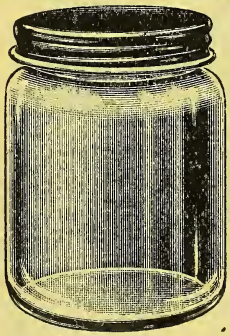

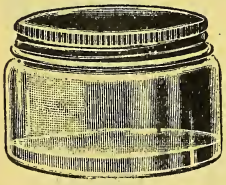

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Cuticura OINTMENT

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Yardley give notice that they will rigorously prosecute any further cases of such fraud and ask the co-operation of their friends in these districts to bring such cases to their notice.

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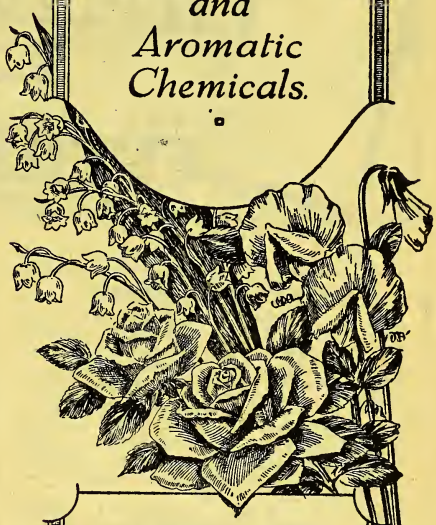

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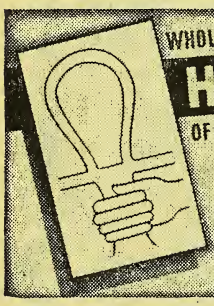

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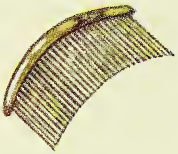

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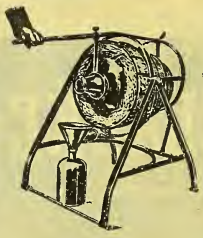

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NEWS OF THE WEEK

New Year Honours.—In the second instalment of the New Year Honours list, published on January 5, Mr. A. W. Thompson, M.P.S. (pharmacist, Ministry of Health), and Mr. F. A. Morton (warehouse foreman, Howards & Sons, Ltd., Ilford) were made Members of the Order of the British Empire.

Increase in Capitation Fee.—The Minister of Health (Mr. Henry Willink) informed the Insurance Acts Committee of the British Medical Association recently that he had given careful consideration to the Committee's application for a war-time increase in remuneration, and was able to make an offer which he hoped would be generally acceptable. This was an increase of ninepence in the capitation fee, bringing the total capitation fee up to 10s. 6d. per insured person per annum, with a corresponding increase in the mileage grant paid in rural areas. The increase, if accepted, would take effect as from December 1, 1943. The Minister repeated the undertaking given by his predecessor that the whole question of the capitation fee would be re-examined after the war. After deliberating in private, the Committee informed the Minister that, in view of his assurance that the whole question of the basic capitation fee would be reopened after the war, they accepted the proposed war-time bonus.

Lunch-time Lectures on Export.—The Institute of Export has arranged a series of twenty-two lectures to be held at the Merchants' Hall, 24 St. Mary Axe, London, E.C.3, on Tuesdays and Thursdays from 1.20 to 2 p.m., when the subjects of mercantile law in relation to export, marine insurance, and insurance of air cargoes will be dealt with. At the conclusion of the course an optional examination will be held. Admission to the lectures is by ticket only, and application should be made before January 7 to the Secretary of the Institute of Export, Royal Empire Society Building, London, W.C.2.

Approved Insecticides and Fungicides.—To safeguard purchasers from ineffective products sold as insecticides and fungicides, arrangements have been made whereby

selected proprietary brands of such products, intended for the control of plant pests and diseases, may receive official recognition. The scheme has been inaugurated by the Ministry of Agriculture and the Department of Agriculture for Scotland, in agreement with the Agricultural Improvement Council and in collaboration with the Association of British Insecticide Manufacturers. Responsibility for recommending manufacturers' applications rests with a committee of English and Scottish specialists; a certificate of approval is issued to each successful applicant, who is thereafter entitled to identify his approved product by labelling its containers with the official distinguishing mark used under the scheme. The official emblem—comprising a black, diamond-shaped frame bearing the names of the two Departments concerned and centred around the crown—is a guarantee that the contents of the package conform to the approved standards. The products so far approved include organo-mercuric dry seed dressings, lead arsenate powders and pastes, lime sulphur washes, miscible and stock emulsion tar oil winter washes. A complete list of approved products appears in the January issue of the "Journal" of the Ministry.

Sold "Magic" Corn Cure.—A Jamaican ship's fireman, Vincent L. Frances, of 79 George Street, Glasgow, appeared at Stirling Sheriff Court recently charged with having sold to a police inspector at Kilsyth, a box of "magic" corn cure consisting of a substance recommended as a medicine, contrary to the Pharmacy and Medicines Act, 1941. He was admonished.

Export of Toilet Preparations.—The Board of Trade reminds registered manufacturers of toilet preparations that the licences issued to them under the Toilet Preparations (No. 3) Order, 1943, permit supply without restriction for export only if the goods are exported direct by them or are supplied to persons whose names are entered on Part 2 of the Toilet Preparations Register. Such persons may not manufacture toilet preparations, nor supply them, in the home market except under licence.

London Retail Licensing Committee.—Membership of the local Retail Licensing Committee (London) has now been completed by the appointment of additional members by the President of the Board of Trade. The constitution of the Committee is as follows: Lord Swaythling (chairman); Lord Hemingford, P.C., K.B.E.; Messrs. Bangert, H. F. Carlill, and W. A. Cooke, B.Sc.; Miss Dorothy Crewe; Mrs. C. S. Ganley, J.P.; Messrs. G. Maurice Hann, F. C. Pollard, W. H. Reilly, S. F. Thrower, and W. J. Wigley.

Belfast Local Closing Hours.—Chemists in University Road, Botanic Avenue, Shaftesbury Square, Bradbury Place, and Lisburn Road, Belfast, are now working to the following hours: Mondays to Fridays, 6.30 p.m.; Saturdays, 7 p.m. Chemists who at present open on Wednesday afternoons will continue to do so, and a list of the names and addresses of chemists who are available at other times in emergency is displayed at police barracks in the district. The new arrangements have the consent of the Ministry of Labour.

Irish Pharmaceuticals Staff Dance.—The annual staff dinner and dance of Irish Pharmaceuticals, Ltd., Dublin, held at Jury's Hotel, Dublin, on Thursday night, December 16, 1943, was a most enjoyable function, and was attended by many guests and former members of the staff. Mr. S McCauley, managing director, presided at the dinner and was supported by Mr. P. C Cahill and Dr. P. J. Cassin, directors Former members of the staff present now with pharmacies of their own in Dublin, included Mr. Donal F. O'Sullivan M.P.S.I., Mr. Seamus Murphy, M.P.S.I. and Mr. Patrick Keogh, M.P.S.I.

Inquests.—At a Doncaster inquest on December 30, 1943, a verdict of suicide while the balance of the mind was disturbed was returned on Isabella Green, a private in the Auxiliary Territorial Service, who died in hospital from disinfectant poisoning —At an inquest on January 4 on Mrs. Sarah Ellen McColl, Grafton Street, Dingle Liverpool, a verdict in accordance with the medical evidence, which showed death to be due to aplastic anæmia, was given.—A verdict of "Suicide while of unsound mind" was returned at St. Pancras, recently on Mrs. Catherine Griffiths, Finsbury, who died as a result of taking tablets prescribed for epileptic fits and accumulated over a period.

Closer Control of Narcotics Urged.—The Permanent Central Opium Board has issued a warning against the danger of post-war drug addiction, and emphasised the need for complete control over the manufacture, trade in, and distribution of narcotic drugs in enemy or enemy-occupied countries as they come under Allied control. Unless this is done, the Board states, there is grave danger of a recrudescence of the

illicit traffic in drugs and the spread of addiction such as was encountered after the last war. Large supplies of the drugs will be required by the medical relief organisations in the devastated countries, and their control and distribution will be a matter of first importance.

Mepacrine Production.—The Ministry of Supply, in a note on mepacrine, states that an encouraging feature of production in this country has been the co-operation between the big manufacturing chemists who agreed to pool all their resources. Thirty-three chemical processes are involved in its manufacture, and some 250 tons of raw materials are necessary to produce one ton of mepacrine. But 1,500 million tablets have gone to the Services, and there are adequate supplies for the troops who require them. Collaboration between British and United States manufacturers has produced mepacrine on such a scale that both countries are now providing the equivalent of more than double the output of quinine from Java in any pre-war year.

Dentifrice Manufacturers' Salvage Drive.—A cheque for £2,000 was handed to Lord Iliffe, chairman of the Red Cross and St. John Appeal Fund, on January 3, as a result of the salvage drive organised by the dentifrice manufacturers of Britain. This fifth contribution to the Red Cross makes a total of £7,000, every penny of which has been obtained from the sale of metal from empty tubes. The organisers point out that the salvage scheme must not be confused with the collection of old tins and cans by local authorities. The Salvage Controller announced recently that old tins and cans are not now urgently needed, but this does not apply to old tubes, which are made of non-ferrous metal. A handful of old tubes, for example, will yield all the solder required for all the electrical equipment of a bomber.

Irish Chemist Golfers.—The seventeenth annual meeting of the Irish Chemists' Golfing Society was held recently in Dublin, the captain (Mr. J. F. O'Hara, M.P.S.I., Trim) presiding. The reports of the treasurer and the secretary, which were adopted, showed that the Society had had a very successful season. Mr. O'Hara thanked members for support during the year, and expressed confidence in the continued progress of the Society. Mr. Stanley Savage, M.P.S.I., Dublin, was unanimously elected captain for 1944, and the outgoing secretary and treasurer were re-elected. It was decided to hold the annual three-day tournament early in June. On the motion of Mr. F. J. Roche, M.P.S.I., a vote of thanks was passed to the outgoing captain for his services to the Society during the past year. Thanks were also cordially voted to the donors of prizes, the trade Press, and the officers.

Successful Completion of Glasgow Course.—A gathering of students who had taken a course on post-war planning for pharmacists was held in the School of Pharmacy, the Royal Technical College, Glasgow, organised by the Lanarkshire Chemists' Central Committee. Guests included Dr. J. Tait (resident secretary in Scotland of the Pharmaceutical Society); Professor J. P. Todd, Ph.D., Ph.C. (School of Pharmacy, Glasgow); Messrs. Milne and Gemmell (lecturers in bacteriology and pharmacology); Robert McAdam (secretary, Glasgow and South-western Branch of the Society); and John Ramsay, Ph.C. (managing director, W. & R. Hatrick, Ltd., manufacturing chemists, Glasgow). Mr. H. B. McMinn, M.P.S. (president, Lanarkshire Chemists' Central Committee) presented Mr. Milne with a token of appreciation. Mr. Milne, replying, said that the men had been ideal students.

In the Courts.—At Bucks Quarter Sessions, on January 2, Eugene Anthony Harold was bound over for three years, on condition that he entered a mental hospital, on charges of breaking into a chemist's shop at Slough and stealing morphine and other drugs and a hypodermic syringe. The case was that he was found by the pharmacist apparently asleep in the cellar of the shop. When charged he admitted that he had been a morphine addict for many years, and had entered the chemist's shop about eight times by means of keys which had been missing from the shop premises.—At Brentford police court, on January 3, Mrs. Nelly Lane, Hounslow, was fined £2 for stealing a quantity of saccharin tablets from the factory of Macleans, Ltd., Brentford.—At Widnes police court, on January 6, Edward Whitfield was sentenced to prison for six months with hard labour on a charge of stealing 645 lb. of mercury, value £612, the property of Imperial Chemical Industries, Ltd. (see *C. & D.*, January 8, p. 28).

Hull Talk on Colour Photography.—Members of the Hull Chemists' Association and branch of the Pharmaceutical Society met recently to hear a lecture by Mr. F. N. Harrison, Ph.C., on "Colour Photography." Mr. Harrison explained the method of

manufacture and the principles underlying the reproduction of the colours in the final transparency in the Dufaycolor process, using coloured charts to illustrate the points. Kodakchrome was a subtractive, not an additive, process, he continued. Here the final colours were produced by beginning with white light and subtracting the primary additive colours from them by use of the complementary or primary subtractive colours. Mr. Harrison concluded by showing a number of Dufaycolor transparencies and a short length of 16-mm. Kodakchrome film. Mr. H. E. Brown, Hessle, sent a number of Lumière transparencies taken over thirty-five years ago. Mr. H. Clappison occupied the chair, and a vote of thanks to Mr. Harrison was proposed by Mr. Selle, seconded by Mr. B. Newton.

Cancer Research Progress.—At the annual meeting of the British Empire Cancer Research Campaign, recently, Professor E. C. Dodds (Courtauld Professor of Chemistry, University of London, and Director of the Courtauld Institute of Biochemistry, Middlesex Hospital) claimed that "heartening success" had been encountered in the cure of cancer of the prostate by administration of synthetic œstrogens. From the United States, during the past year or so, reports had been received of the complete disappearance of symptoms in malignant conditions of the prostate without any other treatment. The American work had been completely confirmed, and for the first time in history it was possible to state that one form of cancer could be completely controlled and the patient rendered symptom-free by the administration of a few pills by mouth daily. This country and the Campaign could take a certain credit to themselves for the discovery because, while the observations referred to were made by American colleagues, the weapon they used was forged in this country by Englishmen working directly under the influence and with the support of the British Empire Cancer Campaign.

Early Closing Conference.—To further a movement by the Early Closing Association to secure amendment of the Shops Acts in the direction of improved closing hours, a Conference was held at the House of Commons on January 5 under the chairmanship of Sir Patrick Hannon, M.P. The Conference was attended by some sixty delegates representing the retail distributive trades, as well as by a number of Members of Parliament. A resolution was passed appealing to the Government to advance the present normal statutory closing hours by one hour, so that the latest general closing hour, for non-exempted trades, would be 7 p.m., with 8 p.m. on one late night a week, and with facilities for obtaining local closing orders at a majority request at an hour not earlier than 6 p.m., instead of 8 p.m., 9 p.m., and 7 p.m. respectively under the present Act. Mr. Walter Rose (secretary) claims that experience both before and during the war has shown that the late pre-war closing hours were unnecessary; that more reasonable earlier hours have been effected without any loss of trade or inconvenience to the majority of the public; and that the hundreds of thousands who have vacated shop life expect reform to afford reasonable leisure.

Hot-water Bottle Complaints in Scotland.—Scottish chemists have been overwhelmed by demands for hot-water bags as a result of the recent considerable increase in colds and influenza. Despite the fact that disappointed customers have been informed that no rubber hot-water bottles are available for the general public, public complaint has been increasing, in view of the alleged release of rubber for purposes which the average purchaser regards as less vital than a hot-water bag for an invalid. On behalf of the trade, Mr. H. J. Brocklehurst (a director of R. Wylie Hill & Co., Ltd., Glasgow) states that the practice arranged by his company, after inquiries at the Department of Health for Scotland, is that rubber hot-water bags may be supplied where the purchase is for a person of advanced age (eighty plus), or suffering from certain diseases and given a medical certificate. The certificate is checked with the doctor to ascertain why he has specified a rubber bag instead of a stone hot-water bottle. George MacLellan & Co., Ltd., rubber manufacturers, Glasgow, state that there has been no manufacture of rubber hot-water bottles since 1942.

C. & D. QUIZ NO. 19

1. Who discovered ergotamine?
2. Which is the largest gland in the body?
3. What is the derivation of the word "toxin"?
4. In which pharmacopœia was Irish whiskey official?
5. Who discovered iodoform?
6. What are sumac berries?
7. What is pasque flower?
8. What is charta nitrata?
9. What is sodium rhodanide?
10. What is Clemens' solution?

(*Answers on p. 77.*)

TOPICAL REFLECTIONS

Health Propaganda

There is little need to add to what you have so helpfully written (p. 41) on the first Ministry of Health quarterly bulletin for pharmacists. When an approach of this kind is made, it would be ungracious to decline to entertain the proposals put forward. For my part, I am glad to have it stated on the authority of the Ministry that pharmacy is "one of the most ancient of the learned professions." When, continuing my reading, I saw that the pharmacist can give lectures, I felt that some qualification was needed; happily it was forthcoming in the next clause, "or assist in making them interesting." Some pharmacists already lecture: the number might well be increased, in spite of the difficulty of finding the requisite time. To say that is, naturally, to take a long view; with winter ailments in full blast it would be unreasonable to expect busy men to make further short-term commitments. Your caution on the subject of venereal disease is fully justified. The ostentatious cold-shouldering of pharmacists when the Act of 1917 was being shaped left a feeling that did not soon pass. Moreover, any discussion of that topic over the counter might lead to a trap being set by some interested person. It will be instructive to see how retailers, having rejected a considered proposal for collective advertising on a national scale, will react to this new departure. The Ministry of Health has made a friendly gesture: further bulletins on the same lines may strengthen the links between it and the ancient and learned profession to which the bulletin has made reference.

Unrationed Candidature

The announcement that forty members of the Pharmaceutical Society have offered themselves as candidates for election to the Council of the Society in May (p. 30) will be received with what are sometimes described as mixed feelings. Many, and perhaps most, members will regret that the services of Mr. Franklin and Mr. Rowsell are to be no longer available: it may be hoped, however, that their gifts will find scope in other spheres. Comparison with the previous "record" year, 1920, when twenty-two candidates entered the field for the Society's Council election, is inevitable and perhaps not unprofitable. One difference is clear; in 1920 a war had definitely ended, whereas at the beginning of 1944 a war has still to be won. This fact has evidently not checked the zeal of those members who desire to become councillors; and your readers will expect to learn in due course the reasons that have induced them to accept nomination. In view of the stringency of the present paper control it may be hoped that their contributions to your columns will be suitably brief. On turning to the manifestoes of the 1920 election candidates, I see that together they occupied the equivalent of about twenty-two columns of your new size; numerous meetings in support of candidates were also reported. It would presumately be difficult for you to allot a corresponding total of space for their successors the candidates in the Council election of the current year.

A 1920 Election Result

The result of the election in May 1920 was read at the adjourned meeting of the Society by Sir William Glyn-Jones, at that time secretary and registrar. Looking through the list of names, I notice that one of the successful candidates was Mr. Melhuish, who has a continuous record as a councillor since then and is standing again; Mr. Rowsell was also re-elected at the same poll. Three of the unsuccessful candidates, Mr. Ancliffe, Mr. Davis and Mr. Hardy, afterwards obtained seats on the Council. The other five councillors returned then, Mr. Keith, Mr. J. R. Young, Mr. Hines, Mr. Bilson and Mr. H. O. Lloyd, have since passed away. The majority of the candidates who were not elected were men well known in pharmacy, a fact suggesting that it is not exactly easy to gain a place among the first seven at these elections. The number of votes recorded ranged from 2,852 for Mr. Keith to 300 for the candidate at the bottom of the poll. Of 9,582 voting papers issued, 6,138 were effective; if anything like two-thirds of those sent out this year is returned, most of us will be surprised. Yet why should not voters show this degree of interest in their calling? They have often been urged to do so. It is reasonable to suppose that all, or nearly all, of the forty candidates have consented to stand because of real interest in the result: if, then, only one-third or less of the voters take the trouble to fill in their papers, the result will not necessarily indicate the actual desire of the electorate. This is so old a trouble that one almost needs to apologise for mentioning it. But there it is.

Xrayser

LEGAL REPORTS

Pharmacy Act Case.—At High Wycombe police court, recently, Henry John Blackwell, 38 Frogmore, was summoned for selling by retail a poison (acetanilide, contained in Antikamnia tablets) without being an authorised seller, and for selling the tablets in a container not labelled in the prescribed manner. A fine of £2, plus costs, was imposed for each offence.

Misleading Label.—At Manchester City police court, on December 15, 1943, James Conroy was fined £15 for selling, under a misleading label, a preparation, Vita Nerva tonic, alleged to have been manufactured in a cellar at Highfield Street, Stratford. He was further fined £15, with costs, for supplying an article not of the nature, substance and quality it purported to be. Wright & Green, Ltd., wholesale grocers, Chester Street, Manchester, were fined £10 and costs for selling the article to a retailer under a misleading label. The preparation was stated to consist of 99 per cent. water.

Food and Drugs Act Offence.—At Burnley, on January 5, Redman, Ltd., Wellington Works, Newtown, Salford, Manchester; S. J. Gooden, Corn Exchange Buildings, Manchester; Wade & Smethurst, Ltd., Sowerby Bridge; A. B. Curtis, Ludgate Circus, London; and Palorit, Ltd., Scrubbs Lane, London, were summoned for selling an "onion extract" not of the nature, substance and quality demanded. The Bench decided that the offence was committed by Palorit, Ltd., who were fined £20 with special costs, including £15 15s. to each of the other defendants, £15 15s. to the prosecuting solicitor, £4 4s. to the Manchester analyst, and £2 2s. to the Burnley analyst. The other cases were dismissed.

Failure to Produce Accounts.—At Shrewsbury police court, recently, Maggie Victoria Marlow, carrying on business as a dealer in fancy goods and cosmetics at 4 High Street, Shrewsbury, pleaded not guilty on three charges of failing to produce account books and documents to a Board of Trade inspector between August 19 and October 18, 1943. The Board of Trade, who prosecuted, stated that defendant had made no attempt to furnish any of the information asked for. For the defence it was claimed that the Board of Trade had never required defendant or anyone in her class of business to keep books. There was no obligation on her to keep books and there was not a bit of evidence that she did keep any. If she did not keep books she could not produce them to the inspector. There was no obstruction of the inspector who was received with perfect politeness and asked to call again; when pressed defendant referred him to her solicitor. The whole thing, urged defending solicitor, was a "storm in a teacup." Defendant was fined a total of £20.

Sentences for Quota Offences.—The North London magistrate gave his decision on January 10 in the hearing of charges of contraventions of the Limitations of Supplies Orders (see *C. & D.*, January 8, p. 44). For supplying during the period January 2 to August 1, 1943, controlled goods in excess of his quota of £333 6s. 8d., John James Woods, Eastern Esplanade, Southend-on-Sea, was sentenced to a fine of £500 with £50 costs, or three months' imprisonment. Clark, Dennis & Co., Ltd., 678 Salisbury Buildings, London, E.C.3, were fined £2,500, with £200 costs, for aiding and abetting. Summonses against Woods for supplying toilet powders in excess of his special quota and against the company for aiding and abetting this offence were dismissed. Woods was sentenced to three months' imprisonment, to be concurrent with the imprisonment alternative to his fine, and Moritz Cruh (manager of Clark, Dennis & Co., Ltd.) to six months' imprisonment, with a fine of £500 and £200 costs, or a further three months' (consecutive) imprisonment for conspiring together to supply goods in contravention of the Toilet Preparations Order, 1942. Recommending that a deportation order should be made in respect of Cruh, the magistrate said: "In my opinion, men of foreign nationality, as Mr. Cruh is, who abuse the hospitality and protection given to them in this country by committing these serious offences, are unworthy of enjoying the great privilege of living in Britain after the war." Cruh asked for bail pending an appeal and received the reply, "If you put in your proper notice of appeal I will consider it." Later in the day, notice of appeal was given on behalf of Cruh, who was granted bail subject to the production of one surety in £500 and one in £250. An order was also made for the disposal of cosmetics, and of apparatus for making them, stated to be the property of Woods, which were in the hands of the Board of Trade. It was stated that this would not be taken in mitigation of fine. Counsel for the prosecution said there would be no bankruptcy proceedings.

TRADE NOTES

Yeast Tablets.—The Standard Yeast Co., Ltd., Chiswick, London, W.4, are regularly advertising, in the public Press, Lyco yeast tablets. Orders should be placed with trade wholesalers.

Distilled Water in London.—A moderate delivery of carboys of distilled water complying with pharmacopœial requirements is offered by Austins, Ltd., 196 Bermondsey, London, S.E.1.

A Branded Phemitone.—Imperial Chemical (Pharmaceuticals), Ltd., 89 Oxford Street, Manchester, 1, direct attention to the antispasmodic properties of Avlon brand phemitone, B.P., which is presented in half-gr. and 3-gr. tablets. Supplies are available.

Cream Pots at Reduced Prices.—While stocks last, ointment and cream pots of ¼ to 4-oz. capacity, with metal or plastic caps, are being offered at reduced prices by M. J. Fecher, Ltd., 121 High Street, Slough, Bucks. A list and samples will be sent, on application to the makers, to any chemist interested.

Evans "A" List.—A new edition of their "A" list of drugs, fine chemicals and pharmaceutical preparations has been issued by Evans Sons Lescher & Webb, Ltd., Liverpool, 19. The latest list follows its predecessors in general style, the range of symbols for purchase tax, etc., being particularly useful.

Easily-swallowed Tablets.—Damancy & Co., Ltd., High Street, Harrow-on-the-Hill, Middlesex, draw attention to their speciality, Dellipsoids—elliptical shaped, coated tablets, for use where ordinary shaped tablets are not easily swallowed. The formula and terms for anti-coryza Dellipsoids are given elsewhere in this issue.

In Plentiful Supply.—D.D.D. Co., Ltd., London, announce that a newly-introduced speciality of the company, D.D.D. balm, a non-greasy ointment for skin troubles, is now in free supply. The preparation is being extensively advertised in the national Press. Terms are given elsewhere in this issue and showcards are available to retailers on request.

Price List Corrections.—To conserve paper supplies Roche Products, Ltd., Welwyn Garden City, Herts, have issued a gummed "Alterations, Additions and Deletions" sheet for their chemists' trade price list. The various sections are detachable for fixing in the appropriate position, and fit exactly. Copies of the slips may be obtained on application to the company.

Lipstick Warning.—A warning is issued by Yardley & Co., Ltd., Sackville House, Piccadilly, London, W.1, that lipsticks not of their manufacture, but to which their name has been applied, have been sold in Newcastle-under-Lyme, Staffordshire, and elsewhere. Messrs. Yardley announce that they will rigorously prosecute in any similar cases of fraud that come to their notice.

United States Award.—Pacific Coast Borax Co., which in 1940 celebrated its fiftieth anniversary, was recently granted the United States Army and Navy "E" production award for outstanding performance in attending to war contracts for borax and boric acid. The award was made during ceremonies at the Wilmington, California, factory on November 23, 1943, and at the Boron, California, mines the following day. Pacific Coast Borax Co. is a wholly-owned subsidiary of Borax Consolidated, Ltd., Danes Hill, Oxshott, Surrey, manufacturers of Twenty Mule Team brand of borax, boric acid and allied compounds.

Business Changes

The registered office of the Purchasing Officers' Association is now at Walter House, Bedford Street, London, W.C.2.

E. J. Hanson, wholesale manufacturing chemist, has removed to 22 St. Faiths Road, London, S.E.21. Telephone: Tulse Hill 6822.

Mr. Alfred Wiseman has resigned his appointment as sales manager of Macleans, Ltd., and has joined C. E. Fulford, Ltd., Carlton Hill, Leeds.

Mr. Norman Best, M.P.S., Regent Pharmacy, Manningham Lane, Bradford, has taken over the pharmacy of Mr. H. R. Fletcher, M.P.S., Bingley Road, Saltaire, Yorkshire.

Proprietary Articles Trade Association

Additions to Protected List.—*Milton Antiseptic, Ltd.*, Milton brand ointment, 4s. 6d. doz., tax 9d. doz., inclusive retail price 7d.

Alterations.—*Parke, Davis & Co.*, prices in Eire, Gluco-Fedrin with Phemeride, 1-oz., 4s. 3d., 25s. 11d. doz.

Wright, Layman & Umney, Ltd., Wright's lysol, 2-oz., 7d., 4s. 7d. doz., 1-gall., 12s. 8d., 84s. doz., exempt from tax. Prices of 4-oz. size unchanged.

BIRTH

TOMLINSON.—At Royston nursing-home, Whalley Range, Manchester, 16, on January 8, the wife of John Tomlinson, M.P.S. (formerly with Newsholme's, Ltd., Sheffield), 8 Powell Street, Manchester, 16, of a son (Philip John).

MARRIAGE

HEATH—HAWORTH.—At Wilpshire, Blackburn, Methodist Church, on January 1, John Brierley Heath to Marion Haworth, M.P.S.

DEATHS

AUSTIN.—Recently, after a short illness, Mr. William Bernard Austin, M.P.S., 64 Richmond Road, Lincoln, aged fifty-two. Mr. Austin qualified as a chemist and druggist in 1913. In 1925 he was appointed manager, Lincoln branch, Boots, Ltd.

BEATTON.—At Newcastle-on-Tyne, recently, Mr. Alexander Bayne Beatton, M.P.S., 37 Spring Gardens, Edinburgh. Mr. Beatton qualified in 1915 and was in business (Beattons, Ltd.) at 18 Cadzow Place, Abbeyhill.

BROADBENT.—On January 9, after a long illness, Mr. George Henry Broadbent, M.P.S., Ridley House, Grassington, Skipton, aged seventy-seven. Mr. Broadbent qualified in 1889 and took over the business at Grassington after nearly thirty years in business at West Bowling, Bradford.

EATON.—Recently, Mr. Harry Oswald Eaton, M.P.S., 111 Cross Flatts Grove, Dewsbury Road, Leeds. Mr. Eaton qualified in 1902.

DRINKWATER.—Recently, Mr. Weston Owen Drinkwater, M.P.S., 312 Liverpool Road, Patricroft, Lancs, aged eighty.

GOLDSWORTHY.—On January 3, at his home, 44 Fortis Green Road, East Finchley, London, N.2, Mr. W. J. Goldsworthy, aged seventy-two. Mr. Goldsworthy joined the staff of Barron, Harveys & Co., Giltspur Street, London, E.C., in 1896; later he succeeded his father as representative of that firm and subsequently represented The British Drug Houses, Ltd., until his retirement in 1939.

HATTON.—On December 16, 1943, Mr. Frederick William Hatton, 753 Dorchester Road, Upwey, Weymouth, aged eighty-eight. Mr. Hatton qualified as a chemist and druggist in 1877.

LEWIS.—On December 2, 1943, Mr. Llewellyn Ungoed Lewis, M.P.S., Cherwell, Merthyrmawr Road, Bridgend, Glamorgan, aged fifty-nine. Mr. Lewis qualified in 1905.

MIALL.—On January 3, at 30 Mount Brace Road, Potters Bar, Mr. Percy Miall, aged eighty-two. Mr. Miall was well known in the Eastern Counties and South Coast, in which areas he formerly represented Gale, Baiss & Co., Ltd., manufacturing chemists. He retired in 1942, after over sixty years' service with the company.

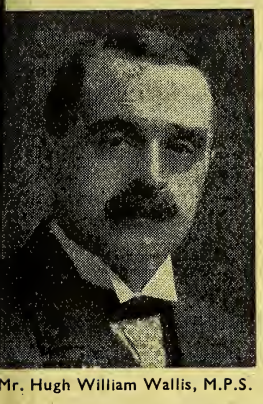
PYMAN.—At his home, Radcliffe-on-Trent, Notts, on January 1, Mr. Frank Lee Pyman, Ph.D., D.Sc., F.I.C., F.R.S., aged sixty-one. Dr. Pyman had had a distinguished career in research. He became the Pharmaceutical Society's Hanbury medallist in 1935. For a time he was Professor of Technological Chemistry in the Municipal College of Technology, Manchester University. After serving as director of the Wellcome Chemical Research Laboratories, he accepted, in 1927, a research directorship of Boots Pure Drug Co., Ltd., Nottingham, and during 1943 he was chairman of the research panel of the Therapeutic Research Corporation, Ltd., London. He was also a member of the Council of the Association of British Chemical Manufacturers. Dr. Pyman was for a number of years an examiner for the Pharmaceutical Society, and in his address as Hanbury medallist he reviewed the contribution made by chemistry to the science of pharmaceutics since the opening of the present century. Much of his research was in connexion with the constitution of and synthesis of the active constituents of natural products, including ergot, ipecacuanha, jaborandi and opium. His interests were predominantly in the sphere of chemotherapy, and included work on organic arsenicals, tropeines, substituted amino-alkyl esters, acid amides and purgatives.

RADFORD.—Recently, Mr. William Radford, for thirty years manager to Allen & Hanburys, Ltd., Ware, Herts, aged eighty-five. Mr. Radford joined the firm in 1878. Representatives of Messrs. Allen & Hanburys present at the cemetery included Mr. F. Capel Hanbury, Messrs. T. H. Burgess, Bert Clare, J. Adams, W. Wilkinson, F. Hemmings, A. Rayment, B. Camp, F. Cooper, E. Waller, W. Groom, and D. Goodey.

SMITH.—On December 22, 1943, Mr. John Smith, M.P.S., 21 New Street, Dalry, Ayrshire, aged thirty-eight.

SMITH.—On December 12, 1943, Mr. Albert George Smith, Ph.C., 5 Earle Road, Liverpool, aged sixty-nine.

WALLIS.—At Whitby, Wirral, Cheshire, on January 7, Mr. Hugh William Wallis, M.P.S., until recently treasurer of the Pharmaceutical Society of Great Britain, aged sixty-three. Mr. Wallis was the proprietor of the Hoole Pharmacy, Chester, which he acquired in 1930, after twenty-seven years as proprietor of a business at Ellesmere Port, Cheshire. He was elected to the Council of the Pharmaceutical Society in 1937, and for most of his term as councillor had been a member of the Finance Committee. In 1933 he was elected to the Ellesmere Port local council, of which he became chairman in Coronation year. Owing to ill-health he resigned his seat on that body, as also his membership of the Council of the Society. So recently as December 1943 he had been chairman of the Cheshire County Pharmaceutical Committee, and of the South-west Lancashire and Cheshire Joint Prescriptions Committee. He served on the Cheshire Insurance Committee from 1925 and had also held the position of chairman of the Chester and Cheshire Branches of the National Pharmaceutical Union.



Mr. Hugh William Wallis, M.P.S.

PERSONALITIES

MR. J. M. T. REYNOLDS, M.P.S., a vice-chairman of and area general manager for Boots, Ltd., Merseyside area, has been made an honorary fellow of the Liverpool Branch, the Incorporated Sales Managers' Association.

MR. E. H. G. BENNETT, M.P.S., Framlingham, Woodbridge, Suffolk, is now convalescent at Framlingham after nine weeks at the Ipswich and East Suffolk Hospital, where he underwent two abdominal operations, both entirely successful.

MR. W. DODGSON, acting chief pharmacist, Public Assistance Committee, is, by a vote of the Liverpool City Council Co-ordination Committee, to be designated senior pharmacist, with a simultaneous increase in salary.

MAJOR C. R. WORTHINGTON, R.E., has been awarded the British Empire Medal for gallant and distinguished services in North Africa. Major Worthington is the husband of Mrs. I. D. Worthington, who was, until 1939, secretary of A. J. Rippin, Ltd., 22 Upper Ground, London, S.E.1. He is a son-in-law of Mr. H. Lattimer.

LIEUTENANT HUGH LAWSON, R.E., the new Common Wealth Member of Parliament for Skipton, is a son of Mr. John Lawson, Ph.C., Nottingham, for many years proprietaries and sundries buyer and sales manager of Boots Pure Drug Co., Ltd., who retired a few months ago, and who was Pereira medallist in 1901.

MR. WILLIAM MAIR, F.R.S.E., M.P.S., F.C.S., has contributed to the twenty-fourth volume of the "Book of the Old Edinburgh Club" a forty-page illustrated account of the Morningside district of the city, under the title "Lands, Mansions and Celebrities." He included among the latter two famous Edinburgh consultants who there had small country estates, now residential areas, to which they repaired in the evenings: Professors James Gregory, M.D. (1753–1821), originator of Gregory's mixture (Pulv. rhei co., B.P.), and James Syme (1799–1870), father-in-law of Lord Lister. In the course of early chemical experiments in the cellar of a druggist's shop, Syme discovered the solubility of crude rubber in naphtha, but did not patent the discovery, which was afterwards exploited by Charles Mackintosh.

MR. JOHN GIBB NICHOLSON (vice-chairman, Imperial Chemical Industries, Ltd.), who received a knighthood in the New Year Honours (see *C. & D.*, January 8, p. 28), was born in 1879. He is a Scotsman and was educated at the Albany Academy, Glasgow. He was apprenticed to James Black & Co., calico printers, and, after service in the works and in the Glasgow office of this firm, was transferred in 1901 to the head office of the Calico Printers' Association, Manchester, shortly after formation of the Association. After serving in two branches of the Association, as well as the head office, he joined Brunner, Mond & Co. in 1909. Thereafter he travelled extensively, particularly in the Far East and in South America, and was responsible for the establishment of many of the overseas companies which now form part of the organisation of Imperial Chemical Industries, Ltd.

COMPANY NEWS

HANKIDRIN, LTD. (P.C.).—Capital £100. Chemists, druggists, drysalters, etc. Joseph Barker, first director. R.O.: Beehive Mills, Longside Lane, Thornton Road, Bradford.

FRED ORCHARD (CHEMISTS), LTD. (P.C.). —Capital £1,500. Chemists, druggists, etc. Fred Orchard,, M.P.S., John Orchard, and Leslie I. Channon, directors. R.O.: 36 Market Street, Highbridge, Somerset.

WILLIAM EVANS (HORSHAM), LTD. (P.C.). —Capital £1,000. Wholesale or retail consulting, analytical, manufacturing, pharmaceutical and general chemists, etc. Harold R. Camplin, M.P.S., and William Evans, M.P.S., directors. R.O.: 1 Carfax, Horsham.

H. ELDERKIN WOOD, LTD. (P.C.).—Capital £2,000. Wholesale, retail and manufacturing chemists and herbalists, manufacturers of and dealers in toilet requisites and proprietary articles, etc. Pierce H. Warren and Bessie Wood, directors. R.O.: 7 London Road, St. Albans.

R. A. E. SIMMONS (CHEMIST), LTD. (P.C.). —Registered in Belfast. Capital £500. Manufacturing, pharmaceutical, analytical and dispensing chemists, etc. Frederick S. Simmons, Reginald A. E. Simmons, Mrs. Mabel Simmons, and Miss Eileen M. Lawson, directors. R.O.: 7 Mountain View Terrace, Glengormley.

A. MILLAR & CO., LTD.—Directors' report and accounts for the year ended October 31, 1943, show that after making provision for all charges, profit, including balance of £6,989 brought forward from last year, amounted to £12,496. An interim dividend was paid in June 1943 on the 5 per cent. preference shares amounting to £937 (less income tax). A final dividend on the preference shares for the year ended October 31, 1943, has been declared amounting to £937 (less income tax), leaving £10,620, out of which the directors recommend payment of a dividend on the ordinary shares of 6 per cent. (less income tax), amounting to £3,750. Carried forward, £6,870. The retiring directors, Lieutenant-Colonel R. M. Millar and Mr. J. W. Morgan, offer themselves for re-election.

T.R.C. OFFICERS, 1944.—The Therapeutic Research Corporation of Great Britain has elected the following officers for the year 1944: *Chairman, board of directors,* Mr. H. Jephcott (Glaxo Laboratories, Ltd.): succeeds Dr. T. B. Maxwell (May & Baker, Ltd.); *Deputy-chairman, board of directors,* Dr. F. H. Carr (The British Drug Houses, Ltd.): succeeds Mr. H. Jephcott (Glaxo Laboratories, Ltd.); *Chairman research panel,* Dr. A. J. Ewins (May & Baker, Ltd.): succeeds the late Dr. F. L. Pyman (Boots Pure Drug Co., Ltd.) *Deputy-chairman, research panel,* Mr F. A. Robinson (Glaxo Laboratories, Ltd.) succeeds Dr. J. W. Trevan (The Wellcome Foundation, Ltd.). The Corporation has appointed Dr. Frank Hartley, B.Sc., Ph.D. F.I.C., Ph.C., as secretary to take up duties early in 1944. The new offices of the Corporation are at General Buildings, 9[illegible] Aldwych, London, W.C.2. Telephone: Chancery 8421.

COMING EVENTS

Sunday, January 16

MANCHESTER PHARMACEUTICAL ASSOCIATION Ramble round Romiley and Marple Vale. Meet London Road station at 9.30 a.m.

NATIONAL PHARMACEUTICAL EMPLOYEES' UNION, Fleur de Lys Hotel (opposite Savoy Cinema), 39 Belgrave Gate, Leicester, at 3.15 p.m. Mr. G. H. Armitage, M.P.S. (acting chairman), on "The Position in Retail Pharmaceutical Employee Organisations." Mr. H. Patchett, M.P.S. (Organising Secretary) on "Progress in N.P.E.U."

Tuesday, January 18

MANCHESTER BRANCH, GUILD OF PUBLIC PHARMACISTS, Salford Royal Hospital, at 7.30 p.m. Mr. H. Gartside, introducing film on research loaned by I.C.I., Ltd., pharmaceutical research laboratories.

Wednesday, January 19

NORTH BRITISH BRANCH OF THE PHARMACEUTICAL SOCIETY, 36 York Place, Edinburgh, at 7 p.m. Second evening meeting of the session. Mr. G. H. Macmorran, Ph.C., on "Ointments of the Sixth Addendum"; Messrs. G. H. Macmorran and David Tait, M.P.S., on "A Note on Sapo Mollis, Third Addendum"; and Messrs. James P. Todd, Ph.D., Ph.C., and George R. Milne, Ph.C., on "Dried Human Plasma as a Possible Pharmacopœial Substance."

Thursday, January 20

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 2.30 p.m. Dr. H. W. Thompson, M.A., on "The Scope and Limitations of Infra-red Measurements in Chemistry" (Tilden lecture).

Saturday, January 22

CHEMICAL SOCIETY, University College, London, chemistry department, at 3 p.m. Professor E. D. Hughes on "Chemical Reactivity."

C. & D. DISPENSING PRICE LIST

THE index of prices for the last month of 1943 was a fraction higher than in the previous month, being 134·6 against 134·4. The changes in prices given below include all that have been made since October 1943. If entered in the *C. & D. Dispensing Price List* sent out with the *C. & D. Diary and Year Book*, 1944, they will render that list up to date as at December 31, 1943.

Cost		*Due allowance has been made for purchase tax in both cost and dispensing prices*	Dispensing price		
d.	*per*		4 oz.	1 oz.	1 dr.
			s. d.	*s. d.*	*s. d.*
54	lb.	Acid. hypophosphorosum dil. ..	2 1	0 9	0 2
32	lb.	Aloe Capensis pulvis	1 4	0 6	0 1
39	oz.	Amidopyrina ℞ only	—	6 3	0 11
6	oz.	Ammon. thiocyanas	—	0 11	0 2
9	oz.	Amyl. nitris P.1 (8)	—	—	0 3
14	oz.	Antim. et sod. tart. S.1 (4)	—	2 0	0 4
56	lb.	Antim. tartar. pulv. S.1 (4)	—	1 8	0 3
8	oz.	Betanaphthol ..	—	1 2	0 2
13	oz.	Bismuthi oleas ..	—	1 11	0 4
52	oz.	Caffeina	—	8 5	0 3
9	oz.	Calcii lactophosph.	—	1 4	0 3
84	lb.	Cera flav. ang. ..	3 0	0 11	0 2
108	oz.	Chiniofonum ..	—	—	2 6
10	oz.	Chromii trioxidum	—	1 6	0 3
15	dr.	Cinchonina ..	—	—	2 6
144	lb.	Creosotum P.1 (8)	5 8	1 8	0 3
126	lb.	Colchici Ang. pulv. (20) P.1 (8)	—	1 6	0 3
130	dr.	Crocus	0 5	per	grain
90	lb.	Cupri oxyacet. pulv. (ærugo)	—	1 0	0 2
60	lb.	Dec. papav. et anthem. conc. P.1 (10)	2 5	0 10	0 2
120	lb.	Dec. sarzæ co. conc. 1–7 ..	—	1 6	0 3
38	lb.	Emuls. ol. morrh. c. hypoph., B.P.C.	1 6	0 7	—
30	oz.	Eugenol	—	4 5	0 8
22	oz.	Ext. bellad. liquidum	—	3 10	0 7
18	oz.	Ext. cascar. sagrad. sicc. pulv. ..	—	3 1	0 6
45	oz.	Ext. ipecac. liq. ..	—	7 4	1 1
123	lb.	Ext. kolæ liq. ..	—	1 6	0 3
40	oz.	Ext. rhei pulvis ..	—	6 4	0 11
11	oz.	Ferri et potassii tartras	—	1 8	0 3
33	oz.	Hyd. subsulphas flavus	—	4 10	0 9
90	lb.	Inf. rhei conc. ..	3 7	1 1	0 2
126	lb.	Inf. senegæ conc. ..	5 0	1 5	0 3
14	lb.	Kaolinum leve ..	0 7	0 2	—
20	oz.	Liq. epispasticus S.1 (5)	—	3 4	0 6
38	lb.	Liq. strych. hydrochlor. S.1 (5)	—	0 7	0 1
22	oz.	Lithii bromidum ..	—	3 3	0 6
29	oz.	Ol. cajuputi ..	—	4 3	0 7
32	oz.	Ol. myristicæ express.	—	4 8	0 8
13	lb.	Ol. palmæ	0 7	0 3	—
32	oz.	Pepsinum porci ..	—	4 8	0 8
27	oz.	Phenazonum ..	—	4 5	0 8
14	lb.	Plumbi oxidum (litharge)	0 7	0 2	—
27	oz.	Podophylli resina pulv.	—	4 5	0 8
22	lb.	Potassii bicarbonatis pulvis ..	0 11	0 4	0 1
19	oz.	Potassii guaiacolsulphonas	—	3 2	0 6
72	lb.	Pulv. rhei co. ..	2 10	0 11	0 2
165	oz.	Quinidina	0 8	per 1	0 grs.
32	oz.	Rhei rhiz. "E.I." pulv. elect. ..	—	4 8	0 8
17	oz.	Saponinum ..	—	2 6	0 5
10	oz.	Spt. ammoniæ fœtidus	—	1 8	0 3
14	oz.	Spt. pulegii ..	—	2 2	0 4
11	oz.	Strontii bromidi cryst.	—	1 8	0 3
48	lb.	Syr. allii	2 5	0 9	0 2
21	lb.	Syr. zingiberis ..	1 0	0 4	0 1
7	oz.	Terpini hydras ..	—	1 0	0 2
25	oz.	Thymol	—	3 8	0 7
105	lb.	Tr. benzoini comp.	4 2	1 3	0 2
12	oz.	Tr. calendulæ ..	—	1 11	0 4
78	lb.	Tr. cimicifugæ ..	—	1 0	0 2
126	lb.	Tr. guaiaci ammoniata	—	1 5	0 3
126	lb.	Tr. guaiaci ..	—	1 5	0 3
39	oz.	Totaquina	—	6 4	0 11
75	lb.	Ung. cantharidini S.1 (5)	—	1 0	0 2
43	lb.	Ung. chrysarobini	1 10	0 7	0 1
45	lb.	Ung. rusci co. ..	1 11	0 7	0 1
19	oz.	Urethanum ..	—	2 10	0 5
56	lb.	Zinci chloridum (fused)	2 3	0 11	0 2
9	oz.	Zinci phosphidum	—	1 4	0 3

Mites in Stored Foods.—A pamphlet issued by the Department of Scientific and Industrial Research ("Tyroglyphid Mites in Stored Products: 1, A Survey of Published information") provides a guide to literature on tyroglyphid mites. The mites commonly occur in stored grain, flour and cheese. The information given in the booklet has been accumulated during researches by the Department into the control of infestation of stored produce.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

THE monthly meeting of the Council of the Pharmaceutical Society was held in London on January 4 and 5, the president (Mr. W. S. Howells) in the chair.

Tuesday's Session

On January 4, when the Council was in committee [Press not admitted], MR. WILSON submitted a motion for the adoption of certain arrangements for the limitation of propaganda by candidates for election to the Society's Council. It was decided to take no action. Mr. J. T. Appleton (chairman, Public Services Committee) was appointed a member of the Joint Committee of the Society, the National Pharmaceutical Union and the Standing Committee for Scotland. Letters were received from: Mr. R. W. R. Wilson, concerning a special fee for non-practising and retired members; the National Pharmaceutical Employees' Union, concerning representation on the Central Pharmaceutical War Committee; Mr. W. S. Gibson (solicitor for Timothy Whites & Taylors, Ltd.), concerning the draft "Statement upon Matters of Professional Conduct"; and the British Standards Institution, concerning the appointment of a representative of the Society to serve on a subcommittee on the standardisation of microchemical apparatus.

With many foreign pharmacists in this country as a result of the war, and because the International Pharmaceutical Federation cannot operate under existing conditions, it was agreed to take steps with a view to instituting an organisation for discussing pharmaceutical problems on an international basis.

The Council received with regret the resignation from membership of the Council, owing to military duties, of Mr. B. A. Williams.

Wednesday's Proceedings

THE PRESIDENT referred with regret to the deaths of Dr. C. G. Anderson (secretary, British Medical Association) and of Dr. F. L. Pyman (Hanbury medallist). THE REGISTRAR reported that thirty-one persons had been registered as Apprentice or Student since the previous meeting. Names of nine persons and two sets of premises removed from the Registers during previous years were restored. Letters were received from the Pharmaceutical Societies of Northern Ireland, of India, and of Ireland, conveying the Season's greetings; and from the Leicester Branch recording that it was no in favour of State dispensaries.

The REGISTRAR reported that forty-fou members were nominated as candidates fo the Council. Four had not accepted nomi nation. The list of forty members wh have accepted nomination was given i last week's issue (p. 30).

Mr. P. F. ROWSELL moved the minute of the Education Committee. He said i was hoped to hold an examination for foreig pharmacists during the Easter vacation About sixteen to twenty persons wer involved. The Committee agreed to allo a pupil to spend eighteen months of hi articled pupilage in the laboratories of manufacturing company.

Offer of Research Fellowship

The Society had received a letter fron Allen & Hanburys, Ltd., offering a researcl fellowship for the encouragement of phar macological research. After expressing sin cere thanks for the suggestion, the Counci referred the matter back to the Educatio Committee for examination in detail, an to the Academic Board for comment.

MR. J. F. MCNEAL moved the minute of the Benevolent Fund Committee. Th trustees of the late Lord Leverhulme had as the result of a letter sent to them by th Society, decided to continue the contribu tion of £200 per annum for a further seve years.

MR. A. R. MELHUISH, who moved th minutes of the Establishment Committee said they had again invited Dr. T. E. Walli to act as examiner for the herbariun competition for 1944.

MR. H. C. SHAW (treasurer) moved th minutes of the Finance Committee.

The War-aid Committee decided to see a speedier method of passing contribution through the bank. The total of the Fun now stands at £28,858. A Christmas gift o £10 10s. was voted to a member who ha been repatriated since the previous meeting

After discussion in committee a resolutio of the N.P.U. Executive on increase i retention fees was referred back to th Finance Committee.

Discussion on Professional Conduct

MR. F. C. WILSON moved the minutes o the Organisation Committee. He said the had given great consideration to th revised draft statement upon matters o professional conduct. On Whit Monday 1943, a branch representatives' meeting ha

greed with the whole of the agenda set efore them with the exception of two items hich were referred back. Those two items ad now been taken out of the statement nd had been put into cold storage until the nd of the war.

MR. P. F. ROWSELL: Should not this go the Law Committee for consideration? is no good passing things which it may e impossible to carry out. Sir MALCOLM ELEVINGE (chairman of the Law Comittee) said his Committee had passed a esolution that before the statement was nally adopted by the Council the matter ould be referred to the Law Committee r consideration.

MR. WILSON replied that in October 1942 e Organisation Committee came before e Council with a recommendation that e Law Committee be asked to consider ecasting the draft statement, and at that ble the chairman of the Law Committee id that the Organisation Committee had ealt with the matter before; his Committee were not interested, and as a result of is statement the Council, in accepting the rganisation Committee's minutes, amened the recommendation to the wording at the Organisation Committee should ndertake that duty. In the first case his ommittee (the Organisation Committee) uggested that the Law Committee should o it. Now the Law Committee had changed s mind after the Organisation Committee ad spent eighteen months on the job.

MR. A. A. MELDRUM asked if it was not e case that the Organisation Committee ad, all through their work, been under e impression that the recommendations ere merely for the guidance of pharmaists. Personally he did not think they ould gain much from it at all as guidance; nless it was enforceable it was no use.

aw Committee's Views

MR. ROWSELL proposed and Mr. YOUNG econded that the draft be sent to the Law ommittee for consideration. Mr. L. M. ARRY supported the amendment and said e understood there was a possibility that t might be in some way enforced. If there as such a possibility it was certainly orth exploring before they came to any nal decision. Mr. C. DAVIS thought the raft must pass through the Law Comittee's hands. They quite appreciated he enormous work the Organisation ommittee had put in on it. Mr. MCNEAL aid most of them were enforced at the resent time.—Mr. ROWSELL: No.—They ad been dealing with it month after month and altering it and revising it and rewording it, and they had now reached the final stage, and he [Mr. Davis], who had spent nearly thirty-seven years in practice, felt that there was nothing in it any ordinary pharmacist could not comply with.

Causes of Delay

MR. WILSON said he wanted the Council to understand that the delay had not been due to the fact that there was anything wrong about it. In the first case there had been a delay of three months because of requests made at that table that the Council should not be rushed into anything. The delay was caused, too, because of a request by the chairman of the Statutory Committee to make certain observations upon the recommendations, and the remarks of the chairman had been taken into consideration in the final polishing up of the statement. He thought where there was a difference between the statement this month and the previous month it was due to the Committee having put into effect the suggestions given to them. The Committee had considered all the way through whether or not it could be enforced. If the Law Committee, in wishing to have the matter referred to them, did so in the spirit that all they wanted to do was to find some way of enforcing what his Committee suggested to them, he would let them have it with the greatest of pleasure, but if they had any other purpose then he was rather doubtful. If he received an assurance from members of the Law Committee that they were anxious now to enforce——

THE CHAIRMAN OF THE LAW COMMITTEE: Oh, no.—Cries of No.

THE PRESIDENT: I think application was the word used.

MR. WILSON replied that "enforcement" had been used on one or two occasions. If the Law Committee wished genuinely to assist in improving the professional standard of pharmacy, and wished to help to put into effect a number of provisions which were in many cases received almost with acclamation by the branch meeting—there was nothing in it which they had not accepted and approved—then he had no objection.

THE PRESIDENT then put the amendment to the vote, and by twelve votes to six the matter was referred to the Law Committee.

MRS. J. K. IRVINE handed to the chairman of the War-aid Committee a cheque for £10 from the Gordon Hall School of Pharmacy for Women. MR. DEACON thanked her.

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L. CXLI JANUARY 15, 1944 NO. 3336

e fact that goods made of raw materials short supply owing to war conditions are vertised in this paper or described in its torial columns should not be taken as an lication that they are necessarily available export.

harmaceutical Society Council Election

E published in last week's issue (p. 30) the nes of the forty members of the Pharmatical Society of Great Britain who have epted nomination as candidates at the thcoming election to fill the seven vacans on the Council of the Society. Two mbers of the Council as at present constied (Messrs. Franklin and Rowsell), who due to retire, are not seeking re-election; other members whose term of office ends s year (Messrs. Mawer, Melhuish, Parry, lls and Young) are standing again. The th last week of Mr. H. W. Wallis does create another vacancy as he resigned m the Council last June, and Mr. Melm was co-opted to fill the vacancy. The sing of Mr. Wallis, who had been treasr of the Society for some years, is a great to pharmacy, and will be deplored by colleagues on the Council who had t-hand knowledge of his untiring and uable work. The resignation of Mr. B. A. lliams, reported on another page, will prehably mean another co-opted member of Council.

t is understood that voting papers will dispatched to members of the Society not later than February 1, and that the closing date for their return is fixed for noon on May 17. The voting papers will be dispatched to the current addresses of members in the records of the Society. The period of rather more than three months between the time of issue and the closing date for return of ballot papers may permit a limited percentage of pharmacists in the Forces who are on active service overseas to record their votes, provided the papers are forwarded on to them from their home addresses without delay.

Territorial Aspects

From the locations of the candidates it will be noted there are no candidates from South or Central Wales, while the Midlands are represented by two, with Birmingham, Nottingham and other important cities without a nomination. Some of the most active branches of the Society are in the industrial Midlands and South Wales, and the absence of candidates should certainly not be interpreted as reflecting a local lack of interest in the Council's activities or in the forthcoming election.

In due course we shall be inviting all candidates to send in for publication in THE CHEMIST AND DRUGGIST a brief summary of their pharmaceutical policy. We should have liked to have put our columns at their disposal without reservation, but the present severe paper restrictions compel us to limit statements of policy to concise summaries. We shall hope to be able to present these to our readers soon after the voting papers have been issued.

There is one question on which, we have reason to believe, a substantial proportion of the electorate would like to have a declaration from candidates. We recently published an Editorial comment "Secrecy in Bloomsbury Square" (November 27, 1943, p. 547) reviewing the practice, which has shown a marked increase of late, of carrying out practically all Council business "in committee," the public business to which the Press is admitted being chiefly restricted to formal presentation and passing of committee minutes. Such methods have for long denied to the ordinary member of the Society his or her right to know precisely the views and activities of each individual

member of the Council. We would draw the special attention of all candidates to this article, and suggest it will be to their interest to make it clear in their statements whether they are in favour of, or opposed to, the business of the Council being largely transacted in committee.

N.W.F. Changes

THE changes in the National War Formulary, the second edition of which was briefly reviewed in our issue of January 8 (p. 37), are sufficiently numerous to render it probable that they will entail much communication between pharmacists and medical practitioners on and after February 1, when the Formulary comes into force. Prescribers who were reluctant to abandon the National Health Insurance Formulary in favour of the N.W.F. may be equally unwilling to adapt their habits to the demands of a new official manual. The two general changes most likely to cause what may be called triangular trouble—trouble between prescribers, dispensers and patients—are the deletion of solution of burnt sugar, B.P.C., from mixtures containing it and the substitution of liquid extract of liquorice for emulsion of anise and peppermint in certain other mixtures. When such facts as the alteration of five ointments, the introduction of new synonyms and the cessation of permission to use pills for tablets or tablets for pills are also taken into account, it will be seen that the prospect of smooth working of National Health Insurance dispensing is not too favourable. There is an apparent discrepancy between the reinstatement of potassium salts and the precautionary notice about their shortage and the consequent substitution of the corresponding sodium salts; if, however, prescribers are sensible in this matter, panel chemists will not find this difficulty formidable. One other point may be commended to the attention of those entrusted with the next revision of the Formulary. On p. 71 it is stated that, in order to avoid difficulty in measurement, camphorated tincture of opium, B.P., not the corresponding concentrated preparation, is ordered. This excellent principle might have been extended to such galenicals as the liquid extracts of ipecacuanha, nux vomica and stramonium, which in some of the N.W.F. mixtures are prescribed in such small quantities as to render the use of an ordinary dispensing measure risky in point of accuracy when an ℥viij. mixture is being dispensed. Panel chemists will be wise to study the new Formulary without delay.

Drug Prices in 1943

VARIATIONS in the *C. & D.* index of drug and chemical prices for the past year are compared in the table below with the figures for the previous year.

Month	1942	1943
January	130·4	134·3
February	132·0	134·2
March	132·1	134·2
April	134·0	134·3
May	134·0	134·3
June	134·3	134·4
July	134·3	134·4
August	134·3	134·4
September	134·4	134·4
October	134·4	134·4
November	134·4	134·4
December	134·2	134·6

It will be seen that stability of prices was again well maintained. Restriction of supplies enabled this to be done, but the degree of success encountered may also be taken as a tribute to those in control of available drug supplies.

Blood Preservative Solution

LOUTIT and Mollison ("British Medical Journal," 1943. II., 744) recommend as an anticoagulant and preservative solution for blood storage, a 2 per cent. disodium citrate with 20 mils of 15 per cent. glucose (to be added to 420 to 430 mils of blood). The new solution has two advantages over the present standard (M.R.C.) mixture, namely it permits greater survival *in vivo* of erythrocytes; and the mixture can be autoclaved entire without any production of caramel. Greater care must, however, be taken to secure thorough mixing of blood and solution, during taking of the blood, in order to avoid clot formation, as the mixture contains less citrate radicle than the present standard solution.

NAUGURAL MEETING OF PHARMACY'S J.I.C.

E inaugural meeting of the Retail Pharcy Joint Industrial Council was held ently in London, when an address was en by Mr. M. S. McCorquodale, M.P. rliamentary Private Secretary to the nister of Labour). He said:—

ny Unusual Features

Vhen Mr. Bevin (the Minister of Labour) rd that you were going to have your ugural meeting today, he said he would ve liked to have come along. But he is leavouring to do the work of three men. he asked me to come along and tell you v interested he is to hear of all the steps have taken in the setting-up of a Joint lustrial Council for Retail Pharmacy l to give you his best wishes and cordial etings. We at the Ministry appreciate t retail pharmacy has many unusual tures—quite different from many of the ustries brought into the J.I.C. machinery. one time a suggestion was made that ail pharmacy should come into one of existing groups of retail trades, but I st say, personally, that I quite apprete your views in the matter. The nature your profession needs special treatment. hink you are quite right in setting up a ncil of your own.

velopment of Joint Industrial Councils

Of the work of Joint Industrial Councils have always been an enthusiastic supter. I am only a "war-time dilutee" e, and for many years served on the .C. for my own trade (printing), which ims to have one of the pioneer Councils. can speak of the extraordinary value ich our J.I.C. had, and still has, in our de in all sorts of ways, apart from the rely industrial dispute side, of which, tunately, we have had very little. We feel we have mutual points of interest l pride in our calling, and I feel sure the ne sentiments and effects will be found you in this Council. I do not know if realise that a hundred years or so ago would have been put in prison for ending a meeting like this. Such comations were not permitted. I sometimes nder what state our industrial and social would be in now had those ideas conued. Fortunately, wiser counsels preled, but it was not until the Conciliation t of 1896 that the State began to allocate a Government Department a definite erest in the subject. The Board of Trade s the Government Department to concern itself with the question. The principle embodied in that Act has been supported ever since, and it forms the basis now followed by the State for dealing with matters between employers and employed persons. An important step forward was made following the report of a committee under the Rt. Hon. J. H. Whitley at the end of the last war. The Whitley report became most widely known for its establishment of Joint Industrial Councils, which it recommended as the best means of improving relationships between employers and employed persons. There were, of course, joint boards in existence earlier, but in the main they appear to have dealt with wages only, and to have operated only when disputes had arisen. The Whitley councils have a much wider conception. The central idea is that the conduct of an industry and the relations between employers and employed persons were matters of importance not only to those in the industry, but to the community generally; and that wise self-government of an industry is an important part of national government in general. To secure the desired co-operation, there should be greater opportunity for workpeople to discuss matters regarding the progress in industry generally. Emphasis was laid on the wide scope to be given, and the intention was that there should be activity all the time, the Council being thus able to act as a representative and responsible body, competent to speak for the whole of the industry.

Problems to Face

I am glad to see that you gentlemen have, in your proposed constitution, recognised this wide need, and have not cramped the set-up of your J.I.C. In common with other industries you will soon have difficult problems to face, but I am convinced the step you are taking today is one of the best to help in post-war problems, including those of demobilisation, reinstatement, re-equipment, blitzed areas, and so on. I would like, if I may, to say, of the Pharmaceutical Society, that we know of the work of this most important body, and my Minister was gratified to learn that the Society had been most helpful in its attitude to the new Council. I would like to wish your new Council every success on behalf of the Minister and myself. The help, sympathy, and wide experience which the Ministry of Labour has in these matters is yours for the asking at any time.

ALTERNATIVES TO AMPUTATION

IN 1764, nearly a century before the introduction of anæsthetics and more than a century before aseptic surgery was evolved, a pamphlet was published in London under the title "A Dissertation on the Inutility of the Amputation of Limbs." The original work was a thesis in Latin presented as a degree exercise by M. Bilguer, Surgeon-General to the Prussian Armies. It had already been translated into French, with notes, by Dr. Tissot of Lausanne, whose version was dedicated to Dr. (afterwards Sir) John Pringle, F.R.S. Bilguer's text and Tissot's notes point out the risk then attending major operations of this type, and agree that in warfare amputations were far more frequent than the majority of the cases justified. Many patients, it is related, preferred to risk death rather than submit to amputation; though there were a few heroes like a certain Count Mansfield, who "caused his wounded arm to be taken off amidst the sound of trumpets and beating of drums."

For pharmacists the main interest of the pamphlet is the preparations prescribed in cases which ranged from bruises to compound fractures. In its hundred pages the monograph includes no fewer than twenty formulas, besides recommendations of single herbs, oils and so forth. The first application, to be poured "plentifully" into certain kinds of wounds, is one of the best, as it possesses some antiseptic value:—

> Of frankincense, mastick, sarcocolla and myrrh finely pounded, true balsam of Peru, and genuine essential oil of cloves, of each equal parts; of balsam of Fioraventi, as much as may, in mixing all the ingredients over a very gentle fire, form a thin liniment.

Fioravanti (to give him his proper spelling) practised medicine in various Italian cities in the sixteenth century. Among the numerous ingredients of his balsam were Venice turpentine, musk and ambergris. As might have been expected, the process of preparation was complicated. The French Codex took over a formula with fifteen ingredients: a simplified version appears in the first volume of "Pharmaceutical Formulas."

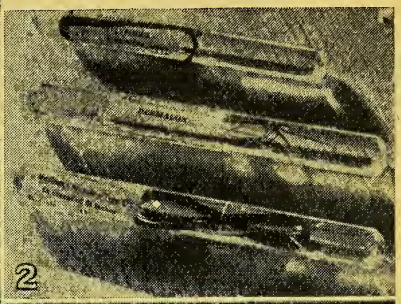
Fomentations

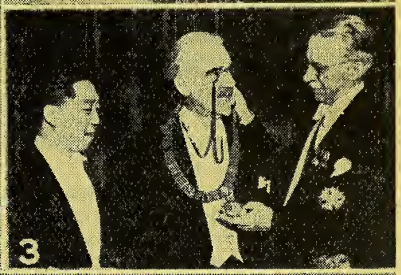
Several formulas for fomentations are given, affording a choice according to the fancy of the prescriber or the variety of raw materials obtainable. This type of medicament is recommended in treating "mortifications." The pharmacy of son leaves much to be desired. One consists lime water Oj., spirit of camphor ℥iij., s ammoniac ℥ss.–℥j. Another directs th soap, salt of tartar and oil of turpenti be mixed and "dissolved" in lime wat A third contains as its chief solid ingredie "martial ball," prepared by pouring sever successive quantities of French brandy ov a mixture of iron filings and white tart evaporating, and forming the residuum in balls "nearly of the bigness of an egg." "composition" known as "species p decocto nigro" was an example of pol pharmacy; it was based on alum, whi vitriol, litharge of silver, myrrh, gal juniper berries, bay berries, savin, rue, o leaves, verdigris, camphor and calamir Vinegar could be added to the water us in boiling.

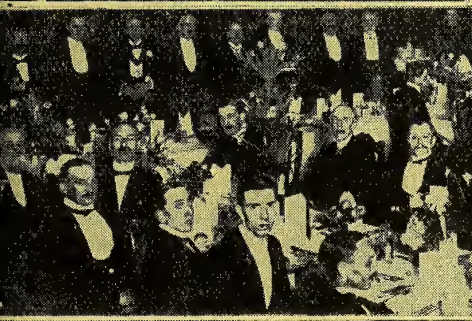
For Internal Administration

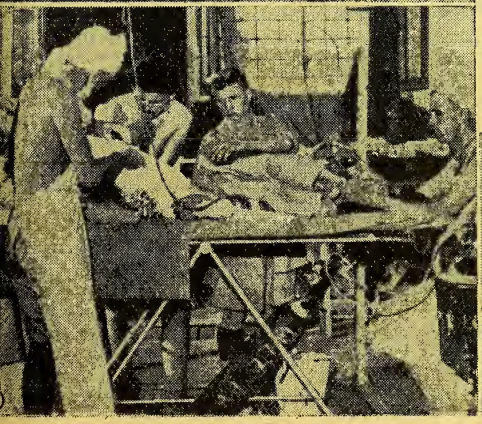
Medicines for internal use included "t bark" in doses of ʒss.–℈ij., at first eve hour; a mineral acid, alum or catec might be added. An acid wine could given to very weak patients, and infusi of chamomile was recommended as sudorific. A strengthening elixir consist of the extracts of wormwood and genti lesser centaury, green oranges and buckbe macerated in rectified spirit and spirituo mint water; after straining, the addition dulcified spirit of nitre and oil of vitr completed the process. An anodyne powd contained Virginian snakeroot, zedoa eleosaccharum of fennel, calcined hartsh and cynogloss pills. A powder and strengthening decoction were to be tak on the same day as the elixir; each co tained cinchona, and the decoction h twelve solid ingredients, the only duplic tion with the anodyne powder recipe bei the inclusion of Virginian snakeroot. T other ten substances were fluellin, bau yarrow, mint, chamomile flowers, r poppies, orange peel, sassafras, cassia lign and carvy seed. Tissot, in a footno comments that the last-named medici is no doubt very efficacious, but might rendered much simpler without impairi its virtues; he adds that in his opini simple medicines are preferable on eve occasion, and particularly in hospitals. H was in advance of his age, and several his observations indicate an acute a unbiased physician. Some years elaps before the generality of medical practitione came round to his standpoint.

NEWS IN PICTURES









1. Inspecting Nylon prior to its use in toothbrushes. 2. Nylon surgical sutures. 3. Mr. Wallace P. Cohoe (president, Society of Chemical Industry) invested with chain of office in New York 4. FLASHBACK: Bath chemists of 1910 at a social gathering. 5. British medical team on Italian front. 6. Home-made penicillin: Dr. and Mrs. Julius A. Vogel, Pittsburgh, U.S.A., with fungus which, though crude, is claimed effective for external affections.

INSURANCE ACT DISPENSING

Flintshire.—The number of insured persons on the Insurance Committee's register is now over 53,000. The number of prescriptions dispensed in the most recent twelve-months' period was 142,300, at a cost of £6,868.

Bournemouth.—The Insurance Committee, at a recent meeting, approved a recommendation from the medical benefit subcommittee that the chemists' winter closing hour should be fixed at not earlier than 6.30 p.m. This hour had been suggested by the Pharmaceutical Committee; it worked well last winter. A voluntary rota was stated to be in operation by three chemists in Boscombe, and the practicability of extending the principle to other parts of the borough had been explored by the Pharmaceutical Committee, which, however, had reached the conclusion that it was not generally called for.

South-west Lancashire and Cheshire.—At a meeting of the Joint (Prescriptions) Committee recently, it was reported that, in place of a pharmacist member who had relinquished his membership owing to ill-health, the Cheshire Insurance Committee had appointed Mr. George Hinchcliffe, M.P.S., Dukinfield, as its representative. In the period January–August, 1943, the number of prescriptions priced was 3,037,977 (against 2,843,576 in the corresponding period of 1942). The average total cost per perscription 11·49d. (10·86d.), frequency 3·22 (3·05), total amount of account £146,332 (£128,689). In statistical data relating to the eleven principal towns it is shown that the average number of prescriptions per script was 1·40, average ingredient cost 6·11d., average dispensing fee 5·24d., prescription frequency per person 2·51.

Liverpool.—In the Insurance Committee's area there are now 321 chemists, with 338 places of business, to serve an insured population of 332,200. In the year 1942 they handled 1,438,208 prescriptions, at an ingredient cost of £30,160. The average cost of medicine per person was 47·21d. Since the outbreak of war, sixteen local chemists' shops have been lost through enemy action, and thirty have been closed owing to the call-up of qualified staff and inability to obtain qualified assistants. Owing to the difficulty in obtaining locums, the Committee has found it necessary to allow deputising arrangements to be made with both doctors and chemists in the immediate neighbourhood.

VETERINARY ABSTRACTS

Zinc Poisoning in Rabbits.—Loss considerable numbers of young rabbits a rabbitry in Cheshire was traced Ormrod ("Veterinary Record," 1943. p. 366) to food having been boiled galvanised buckets. Apart from sli and occasional softness of the stools a general unthriftiness of the affected sto there was a complete absence of sympto but the young rabbits, after weani gradually became worse until they d four to six weeks later. Autopsies sho slight fatty degeneration. It was thou the vegetable juices in the galvani buckets were sufficiently acid to act a solvent to the spelter.

Livestock Diseases from Vegetation.— a review of possible plant causes of dise in animals, Wright ("Veterinary Recor 1943. II. p. 357) mentions not only obvious plant poisons such as taxine yew, coniine in hemlock, and a blister oil in certain members of the butterc family, but extends his survey to co sweet clover disease—a hæmorrhagic c dition occurring in American cattle gra on a leguminate plant, *Melilotis altissi* and caused by its coumarin content; disease due to oxalic acid following feeding of sugar beet tops; and milk ta caused by betaine, also present in sug beet leaves. The author suggests that fa management may also condition the in dence of disease, as, for example, neglect of drainage resulting in the appe ance of such plants as water dropw hemlock, and *Ranunculus flamula*. Mu of the hay produced in the marshes eastern Norfolk was formerly sold in Lond for consumption by horses. The consid able percentage of equisetum which t hay contained had little effect on memb of the horse family, but when, at a la date, the hay came to be chiefly fed loca to cattle, samples containing 10 per ce horsetail were liable to cause severe di rhœa and a drop in the milk yield. Ordin ily, animals at pasture would avoid p sonous plants or shrubs, but were apt consume them in time of drought—celer leaved buttercup, for example, when pon are dry, or tree bark, with its content tannic acid, during the winter mont The observation that, of many cases poisoning from *Mercuralis perennis*, occurred in the spring, has suggested th the toxicity of many British weeds greater at certain stages of their grow than at others.

BELGIAN CONGO ESSENTIAL OILS

ur samples of essential oils from the lgian Congo have been examined at the perial Institute. Results, abstracted m an article in the Institute's "Bulletin" ol. XLI, No. 3, 167), were as scribed below.

Geranium Oil.—ar, bright oil, rk greenish-own in colour, h agreeable and tomary odour. ures for chemical l physical char-ers are tabulated ether with cor-ponding figures Gildemeister for mmercial and union oils.

t is considered t the oil, though newhat inferior odour value as mpared with gerian and Bour-n oils, would in mal times com-e favourably h Kenya oil, and the present cir-nstances would lise good prices h as a perfumery ent and for the eparation of odinol.

Basil Oil.—Clear l bright, light ldish-brown in lour with a easant spicy our. Results of amination are ulated together with comparable figures commercial samples of sweet basil oils. The above results indicate that the oil s the normal characters of the basil oils of mmerce derived from plants of *Ocimum silicum*, L., vars. *thyrsiflorum*, *crispum*, *um* and *purpurvascens*. It is concluded at the oil is of fair quality though inferior the French oil, for which there is only imited demand. In normal times it would difficult to find a buyer in this country.

Eucalyptus Citriodora Oil.—Pale, lemon-llow coloured oil, faintly opalescent. emical examination results are tabulated together with the corresponding figures (except in one instance) from Gildemeister.

Under present conditions this oil would find a ready market for perfumery, but would not be suitable for use as a source of *l*-menthol. Would normally compete with Java citronella oil, but at a lower price.

GERANIUM OIL

	Present sample	*Commercial geranium oils* *Algerian*	*Réunion*
S.g. at 15·5° C./15·5° C.	0·8966	0·892 to 0·904	0·888 to 0·896
Optical rotation (10 cm.) α_D	− 8·8° at 23·1° C.	− 6·5° to − 12°	− 7·7° to − 13·8°
Refractive index n_D 20° C.	1·4670	1·464 to 1·472	1·461 to 1·468
Acid value	8·7	1·5 to 9·5	1·5 to 12
Ester value	52·4	31 to 70	50 to 78
equivalent to geranyl tiglate *per cent.*	22·1	13 to 29·5	21 to 33
Ester value after acetylation	226·8	203 to 234	206 to 233
Total alcohols, as geraniol, $C_{10}H_{18}O$ *per cent.*	72·1	66 to 78	67 to 77·6
Free alcohols, as geraniol, $C_{10}H_{18}O$ *per cent.*	57·7	—	—
Solubility in 70 per cent. w/v alcohol at 15·5° C.	Soluble in 2·5 vols. Faintly opalescent.	Soluble in 2 to 3 vols.	

BASIL OIL

	Present sample	*Commercial sweet basil oils*
S.g. at 15·5° C./15·5° C.	0·9242	0·904 to 0·930
Optical rotation (10 cm.) α_D	− 8·4° at 20·2° C.	− 6° to − 22°
Refractive index n_D 20° C.	1·4898	1·481 to 1·495
Acid value	3·3	Up to 3·5
Ester value	2·9	1 to 15
Ester value after acetylation	127·9	114·8 to 130·2
Total alcohols, as linalool, $C_{10}H_{18}O$ *per cent.*	38·7	—
Free alcohols, as linalool, $C_{10}H_{18}O$,,	37·9	—
Total phenols	5	—
Solubility in 80 per cent. w/v alcoho at 15·5° C.	Soluble in 0·9 vol.	Soluble in 1 to 2 vols.

EUCALYPTUS CITRIODORA OIL

	Present sample	*Range of constants given by Gildemeister*
S.g. at 15·5° C./15·5° C.	0·8713	0·864 to 0·894
Optical rotation (10 cm.), α_D	+ 1·3° at 20·2° C.	− 1·2° to + 3·5°
Refractive index n_D 20° C.	1·4527	1·449 to 1·463
Acid value	3·2	—
Ester value	12·4	—
Ester value after acetylation	278·6	—
equivalent to total acetylisable constituents expressed as per cent. of monohydric alcohols, $C_{10}H_{18}O$	95·7	78·1 to 98·2
Total aldehydes and ketones as citronellal *per cent.*	74·7	55 to 61
Solubility in 70 per cent. w/v alcohol at 15·5° C.	Soluble in 3·5 vols.	Soluble in 1 to 1½ vols., but sometimes as much as 10 vols.

Oil from Unidentified Source.—Clear and bright, pale yellow in colour, with pleasant odour of cloves (known as No. 137).

S.g. at 15·5° C/15·5° C, 0·9895; optical rotation (10 cm.), α_D20·2° C., − 22·0°; refractive index n_D20° C., 1·5256; acid value, *circa* 14; ester value, 2·5; ester value after acetylation, 181·3; total aldehydes, as cinnamaldehyde, 0·45 per cent.; total phenols, 48 per cent.; soluble in 1 vol., insoluble in 2 vols., 70 per cent. w/v alcohol at 15·5° C.

The oil appears promising as flavouring agent, and in soap and cosmetics industries.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represe the prices for wholesale quantities of standard quality. C.i.f. quotations do not inclu marine war risk insurance and other abnormal charges payable in the present emergen

28 Essex Street, W.C.2, January 12

While business in the London drug markets has been fairly steady throughout the week, the total volume of trade has been disappointingly small. Most of the orders have been for modest quantities, and have originated almost exlusively from the home consuming industries. Prices are generally firm, and no exceptional increments have occurred. Business in Pharmaceutical Chemicals has been in about average volume, without important price changes.

Crude Drugs

In these commodities the bulk of the orders have been for moderate quantities for immediate consumption, but the total business transacted has not been great. The general tone of the markets is steady, and stocks of some products are now small. The Control of Agar (No. 1) Order, details of which were given last week (p. 49), has occasioned a good deal of discussion in trade circles, but as noted last week, sales of agar in the drug trade have for some time been confined to the purpose stated in the order, i.e. the preparation of bacteriological media. A rather lower price from the source is now indicated for Cape Aloes. Spot supplies of Balsam tolu appear to be exhausted. Sumatra Benzoin continues to sell slowly at unchanged rates. Small fresh supplies of Buchu leaves are expected in the near future. Cardamoms are neglected. Among the Spices, no changes have taken place in quoted values of Chillies, Cloves, Nutmegs or Pimento. Ergot is firm but without quotable change. Kordofan Gum acacia is steady at the lower figure noted last week. No spot supplies of Ipecacuanha are available at present. Except for small lots quoted at rather high figures, supplies of Brazilian Jalap seem to be exhausted. As noted last week (p. 50) the Pepper Consolidating Order leaves maximum prices and conditions of sale unchanged. Extremely quiet conditions have obtained in Seeds, with prices somewhat irregular. The Ministry of Food announces that, on and after February 6, the sale of pre-packed Soya flour will be prohibited. Limited supplies of loose soya flour will, however, continue to be available at a retail price not exceeding fivepence per lb.

Import Licence Recommendations

The Directorate of Medical Supplies ha informed the Botanical Drug Importer Section of the London Chamber of Con merce, 69 Cannon Street, London, E.C., of its intention to recommend impo licences for limited quantities of Colocynt Nux vomica and peeled Liquorice roo during the period ending December 3 1944, and have asked the Section to arrang for the importation with the importe concerned. The Section invites communica tions, therefore, not later than January 1 from firms which imported any of the drugs during the years 1937 to 1942 inclu sive. By "imported" is meant arranged th shipment and paid the overseas supplie On the basis of the information receive the Section will make recommendations t the Directorate.

Essential Oils

There are hardly any price changes t record in the oils markets. Business i "free" oils is restricted on account of lac of supplies. Anise (star) is again wanted and higher prices are indicated for any avai able small spot lots. Clove, B.P., is quote by distillers at unchanged rates. Eucalyp tus is short and inclined dearer. Limite supplies of Gingergrass may be obtaine on spot. Numerous inquiries have bee received for Peppermint, and high price are quoted for Chinese. The Ministry o Food announces that there are no change in the existing prices of oils and fats allo cated to primary wholesalers and larg trade users during the eight-week period January 9 to March 4, except that a allowance of £2 5s. per ton will be made o South American imported animal fats, i such fats are supplied in softwood barrels.

Pharmaceutical Chemicals

Acetanilide.—Steady at previously quote rates: Crystals, 2s. 5d. per lb.; powder, 2s. 6d

Allobarbitone.—Makers continue to offe at 60s. per lb.

Amphetamine.—Quoted at the unchange price of approximately 150s. per lb.

Aspirin.—Demand is well maintained. Cur rently quoted rates per lb., in quantities o 28 lb.–1 cwt., are as follows (containers i brackets): 4s. (1-lb.); 3s. 10½d. (4-lb.); 3s. 9½d (7-lb.); 3s. 9d. (14-lb.); 3s. 8½d. (28-lb.).

BARIUM SULPHATE (*x*-RAY).—Quoted at the llowing rates per lb. in quantities of 28 lb.–cwt. (containers in brackets): 1s. 5½d. (1-lb.); . 4d. (4-lb.); 1s. 3d. (7-lb.); 1s. 2½d. (14-lb.); . 2d. (28-lb.).

BISMUTH CO., PULV., N.F.—Makers' prices per ., in quantities of 28 lb.–1 cwt., are as follows ontainers in brackets): 2s. 3½d. (1-lb.); . 2d. (4-lb.); 2s. 1d. (7-lb.); 2s. (28-lb.).

BORAX.—Makers quote as follows: B.P., anulated, £39 10s. per ton; crystal, £40 10s.; owder, £41, packed in one-cwt. bags; carriage aid in Great Britain, in one-ton lots and owards. Commercial quality, £8 per ton less.

BORIC ACID.—Makers' quotations are unanged: B.P. granulated, £60 15s. per ton; ystal, £61 15s.; powder, £62 15s. Packed in e-cwt. bags, delivered carriage paid in Great itain, in one-ton lots and upwards. Commerl grades, £8 per ton less.

BROMIDES.—POTASSIUM is quoted by makers the following prices per lb., in lots of from lb. (containers in brackets): 3s. 5½d. (1-lb.); . 3¾d. (4-lb.); 3s. 2¾d. (7-lb.); 3s. 2¼d. 4-lb.); 3s. 1¾d. (28-lb.). SODIUM, ¾d. per . extra; AMMONIUM, 2¾d. per lb. extra; owder, 2d. per lb. extra.

CITRATES.—POTASSIUM is quoted by makers, lots of 28 lb.–1 cwt., as follows (containers in ackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); . (7-lb.); 2s. 11½d. (14-lb.); 2s. 11d. (28-lb.). ON AND AMMONIUM (SCALES), B.P., is at 3d. r lb. above, and SODIUM is at 1d. per lb. low, these prices.

CREAM OF TARTAR.—Quoted by British manucturers at 262s. per cwt., less 2½ per cent. scount.

ETHERS (METHYLATED).—Makers' prices per , in Winchester quarts, are as follows: 0·750, . 5¼d.; 0·735, 1s. 5¾d.; 0·730, 1s. 5¾d.; 725, 1s. 7¾d.; 0·725 (triply rectified), 2s. 0½d.; 720, 1s. 8¾d.; 0·717, 2s. 2¾d.; 0·720, B.P. ot for anæsthesia), 1s. 10d.

GLUCOSE.—Bulk home-trade prices per lb. r powdered monohydrate are as follows (coniners in brackets): 1s. 1½d. (1-lb.); 1s. 0½d. lb.); 1s. (4-lb.); 11d. (7-lb.); 10½d. (14-lb.); d. (28-lb.).

PHENOLPHTHALEIN.—Current prices are as lows: Less than 7 lb., 4s. 6d. per lb.; 7 lb., 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 2d.

PILOCARPINE.—Quotations per oz. are as lows: BASE, 1 oz., 27s.; 4 oz., 21s. 3d.; oz., 20s. 9d.; 25 oz., 20s. 3d.; NITRATE, 1 oz., s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

POTASSIUM PERMANGANATE.—Quotation for P. quality is steady at 1s. 10d. per lb.

STRYCHNINE SALTS.—As noted last week (p.48) akers' prices have been advanced by 9d. per oz.

SULPHANILAMIDE.—Current prices range from s. 6d. to 12s. 6d. per lb., according to antity.

TARTARIC ACID, B.P.—Quoted by British anufacturers at 3s. 1½d. per lb., less 5 per cent. scount.

Crude Drugs

AGAR.—Details of the Control of Agar (No. 1) Order, which fixes the maximum price at 30s. per lb., were given last week (p. 49).

ALOES.—Spot supplies of Cape are exhausted; the price indicated from origin is now 72s. 6d. per cwt.; Curaçao, spot, 48os. per cwt.

BALSAMS.—Spot supplies of *Tolu* cannot be located at present; *Canada*, 10s. 6d. per lb.; *Peru*, 8s. 3d., duty paid; *Copaiba* is unobtainable.

BENZOIN.—Sumatra block is selling slowly on spot at £24 to £25 per cwt. Free "almonds," £35.

BUCHU.—Small fresh supplies may be expected in the near future.

CAMPHOR.—Approved buyers can obtain small supplies of Chinese crude at 10s. per lb., and B.P. at 11s. 6d.

CARDAMOMS.—Quiet and without quotable change. Spot, Aleppy greens, 5s. 6d. per lb.; Aleppy seed, 6s. 6d.; split seed, 5s. 6d.

CASCARA SAGRADA.—The position remains as previously outlined.

CHAULMOOGRA.—*Hydnocarpus*, spot, tins in cases, 1s. 6d. per lb.

CHILLIES.—Mombasa can be obtained on spot at 12os. per lb., but no other varieties are available.

CLOVES.—Spot quotation for Zanzibar is unaltered at 1s. 5½d. per lb.; second-quality, to arrive, 10d. per lb., c.i.f., sellers.

COCHINEAL.—Blacks may be had on spot at 4s. 6d. per lb., for medicinal use only.

COLOCYNTH.—Fine white pulp is available on spot at 3s. 3d. per lb., duty paid.

DIGITALIS LEAVES.—Spot quotations for Portuguese leaves remain at 135s. per cwt.; English-grown leaves, 2s. 6d. per lb.

DRAGON'S BLOOD.—The only variety available at present is dull Zanzibar drop at £21 per cwt.

ERGOT.—Sound material is quoted on spot at 5s. 9d. per lb., and wormy at threepence per lb. less; shipment, 4s. 9d. per lb., c.i.f.

GALANGAL ROOT.—Quoted at 105s. per cwt., in bond Liverpool.

GUM ACACIA.—Spot prices for Kordofan cleaned sorts are unchanged at 82s. 6d. per cwt.; bleached, shipment, 140s., c.i.f.; Talha, cleaned, 50s. per cwt., landed.

IPECACUANHA.—No spot supplies available at present. Current prices of EXT. IPECAC. LIQ. are as follows: Winchesters, B.P., 1932, under three, 32s. 6d. per lb.; three and under six, 32s.; six and under twelve, 31s. 6d.; twelve and over, 31s.; B.P., 1914, under three, 30s. 6d.; three and under six, 30s.; six and under twelve, 29s. 6d.; twelve and over, 29s. per lb.; all prices quoted are on a net basis.

LIQUORICE ROOT.—Russian root may be had by approved buyers for pharmaceutical

purposes at 75s. per cwt.; cut Russian root, for non-pharmaceutical purposes, 96s. 6d. per cwt.

MENTHOL.—No change has occurred in the position as previously outlined.

MERCURY.—Official spot quotations range from £68 10s. to £69 15s. per flask, according to conditions and quantity, with higher rates for smaller lots and redistilled grades.

MYRRH.—The spot price of good-quality Aden sorts is £20 per cwt.

NUTMEGS.—West Indian, spot, wormy and broken, 1s. 5d. per lb.; sound unassorted, 1s. 8d.

NUX VOMICA.—In fair supply at unchanged prices. Washed and garbled Cochin, spot, 42s. 6d. to 45s. per cwt., according to seller; shipment, 35s., c.i.f. Cocanada, spot, 37s. 6d. per cwt.; shipment, 32s. 6d., c.i.f.

PEPPERS.—As noted last week, the Pepper Order, 1943, which came into force on January 1, makes no changes in the maximum prices of pepper or conditions of sale.

PIMENTO.—Sellers on spot at the unchanged price of 1s. 9d. per lb.; shipment prices are not quoted.

QUILLAIA BARK.—Crushed or cut bark, spot, 90s. per cwt.; natural, 70s.; afloat, 60s., c.i.f.

RHUBARB.—Rough-round, spot, 8s. per lb.; flat, high-dried, rough-coat, 8s. 3d. Shensi pickings, 11s.

SARSAPARILLA.—Some native red may be had on spot at 4s. 3d. per lb.

SEEDS.—Neglected, with prices of all varieties unchanged. CORIANDER.—Indian, 80s. per cwt. CUMIN.—Maltese, spot, 120s.; Indian, 110s. DILL.—167s. 6d., ex wharf Glasgow; 160s. ex wharf London. FENNEL.—Nominal at 87s. 6d. FENUGREEK.—May be had at 80s. MUSTARD.—Controlled prices are unchanged.

SENNA.—Quiet, and without quotable change on the week. Alexandrian medium pods are at 3s. 9d. to 4s. per lb.; Tinnevelly, manufacturing grade, 6d. to 7½d.; hand-picked, 10d. to 1s. 6d.; broken Alexandrian leaves, 1s. 3d. to 1s. 4d.; siftings, 1s. 2d.; Tinnevelly No. 1, 9d. to 10½d.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.

TRAGACANTH.—The principal medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, from £12 to £15.

TURMERIC.—Little business passing; values unchanged. Sound Madras finger, spot, 50s. per cwt.; wormy, 47s. 6d.

VALERIAN ROOT.—Spot value of Indian root remains at 100s. per cwt., ex store.

WAXES.—BEES'.—Obtainable only through the Association of Merchant Distributors of Beeswax. CARNAUBA.—Fatty grey, spot stocks becoming scarce, price rather higher at 430s. per cwt.; Primeira, 535s. per cwt.

Essential and Expressed Oils

ANISE (STAR).—In good inquiry, but supplie are difficult to find.

BAY.—If available on spot would be wortl approximately 12s. 6d. per lb.

BOIS DE ROSE.—Any available spot supplie would fetch about 47s. per lb.

CAJUPUT.—In small compass on spot; pric around 15s. per lb.

CLOVE.—English distillers' quotations fo genuine B.P. oil are unchanged at 11s. 6d. t 12s. per lb., according to quantity.

CINNAMON.—Any available spot supplies o leaf oil would bring in approximately 15s. 6d per lb.

EUCALYPTUS.—Oil containing 70 to 75 pe cent. cineole would be worth about 6s. per lb.

GERANIUM.—Spot quotations for Nortl African oil are steady at 85s. to 90s. per lb. according to quantity.

GINGER.—English-distilled oil is quoted a approximately 90s. per lb.

GINGERGRASS.—Small supplies are obtainabl on spot at about 21s. per lb.

LEMONGRASS.—Spot, if available, 13s. 6d.

NUTMEG.—Oil from West Indian nutmegs i priced at around 42s. per lb.

PEPPERMINT.—Inquiry is maintained, bu supplies are difficult to find; it is understoo that small lots of Chinese are being offered a 125s. per lb.

PETITGRAIN.—Price of any available sp supplies would be in the region of 25s. per lb.

ROSEMARY.—Any available spot supplie would fetch approximately 16s. per lb.

Controlled Essential Oils.—The following i the current schedule of prices for controlle essential oils. Prices are per lb., for oils de livered to consumer in original packages.

Lemon, cold-pressed	18s. 10½d.
Lemon, distilled ..	14s. 4d.
Peppermint	36s. 4d.
Grapefruit	18s. 2d. (incl. duty)
Sassafras	11s. 3½d. (plus 1s. duty
Caraway	20s. 4½d. (plus 1s. 10c duty)
Wormseed	15s. (plus purchase ta where payable)
Cedarwood	3s. 1d. (plus 3d. duty
Nutmeg	22s. 3d. (plus 2s. duty
Fennel	11s. 3½d. (plus 1s duty)
Coriander, Russian ..	127s. (plus 11s. 6c duty)
Geranium, Bourbon	25s.
,, (Ministry oil)	24s. 6d.
Orange oil, Jamaica	23s. 6d.
Vetivert	37s. 7d. (plus 3s. 5c duty)

Don't Send Them for Salvage.—Th voting papers for the Council election c the Pharmaceutical Society.

MISCELLANEOUS INQUIRIES

Quinine.—*R. S.*—The Cinchona Control ders prohibit the sale of quinine and oducts containing quinine except on escription for the treatment of malaria. inine already in stock in such a form at it cannot be recovered, and in a eparation that is no use for malaria g., as a minor ingredient in a proprietary nedy) may be sold until stocks are hausted.

McKenna's Ointment.—*R. T.*—More an one preparation goes by this name, d some are believed entirely local in pularity. If you are certain the ointment quired is a tar preparation, the following ay be the formula:—

Tar	14
Yellow beeswax	5
Prepared lard	1

Ginger Wine Essence.—*W. S.*—At the ne of publication the wording of our reply s correct. Since then, however, we have en informed by the Ministry of Food that certain number of firms have now been ued with licences authorising them to nufacture and sell ginger wine essence. r any further information on this subject u should, therefore, write to the Ministry Food, Portman Court, Portman Square, ndon, W.1.

Pine Disinfectant.—*J. A. P.*—The following formulas are taken from "Pharmaitical Formulas":—

I

Pine solution	15 parts
Potassium hydroxide ..	4·2 ,,
Linseed oil	21 ,,
Industrial methylated spirit	3 ,,
Water to	100 ,,

Heat the linseed oil, spirit and potassium droxide, dissolved in forty parts of water, til saponification is completed. Then add the e solution and complete with water to parts.

II

Castor oil	35 parts
Potassium hydroxide ..	8 ,,
Pine solution	15 ,,
Water to	100 ,,

Heat the castor oil and the potassium hyoxide, dissolved in thirty parts of water, til saponification is completed. Then add the e solution and complete with water to 100 rts.

Opaque Powders.—*G. A. S.*—Opaque wders to replace titanium oxide may made with barium sulphate, lithopone, smuth subnitrate or bismuth carbonate. nc oxide may also be employed, but it may occasion darkening of the preparation on keeping. In all cases the powders must be in a finely-divided state: the more nearly they approach colloidal fineness the more effective they become. A little saponin may be added to increase adhesive power, but excess makes the product undesirably sticky.

Medicated Soap.—*I. C.*—"Surgical instruments, medicines or drugs" are exempted from the provisions of the Control of Paper (No. 48) Order, 1942, and the question whether a soap is a medicine is dealt with in the Soap (Licensing of Manufacturers and Rationing) General Licence (S. R. & O., 1943, No. 13). In this Order a medicated soap is exempted from the rationing provisions applying to toilet soaps provided the soap is supplied or obtained for the use of a particular person, and is prescribed by a registered medical practitioner by reference to the needs of that person. Medicated soap is specified as being one of fourteen varieties mentioned by name in the Order.

Soiled Tooth-brushes.—*W. H. M.*—You do not state in what way your tooth-brushes have become shop-soiled, but we take it that the trouble is either dust or discoloration. If the deterioration is due solely to dust, we see no objection to washing the bristles in either soapy or plain water, rinsing and drying. Bristle is not likely to lose its firmness as the result of a single washing. If, however, there is discoloration in the bristle, a solution of hydrogen peroxide, rather more dilute than ten volumes, and first neutralised with a few drops of ammonia solution, is perhaps the best bleaching agent, although potassium permanganate, 5 parts per 1,000, is quite suitable. If the discoloration is in the bone handles a more suitable bleaching agent is possibly a solution of hypochlorite. In the large-scale bleaching of bones in the first place the bleaching agent used is lime. A drawback to using this chemical on the bone handles after manufacture exists if coloured filling has been used; also the lime may have a deteriorating effect on the bristle.

"C. & D." Quiz No. 19.—The answers to the questions on p. 56 are: 1. Stoll. 2. The liver. 3. Gk. *toxon*, a bow. 4. Ph. Lond., 1677. 5. Serullas. 6. Dried fruits of Pennsylvanian sumach, *Rhus glabra*. 7. Pulsatilla, from *Anemone Pulsatilla*. 8. Blotting paper impregnated with potassium nitrate. 9. Sodium thiocyanate. 10. Liq. pot. arsen et brom.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Chemist Volunteer for the Mines

SIR,—The chemist referred to by the British Broadcasting Corporation in its 9 p.m. news bulletin on December 29, 1943, as having started training that day at a colliery in co. Durham, was Mr. Peter Gillespie, M.P.S., who has been in my employ for the past eight years.

Yours faithfully,

Middlesbrough. S. J. TURNER.

Pharmacy Propaganda

SIR,—May I be allowed space to offer my thanks and appreciation of the valuable comments in your Editorial article on "Pharmacy Propaganda" (*C. & D.*, January 8, p. 41), and the excellent summary of the three articles of the Ministry of Health's "Bulletin to Pharmacists." I consider the latter were far more in the nature of a bulletin than the official lengthy discourses. As a busy pharmacist, I found them far more digestible and the necessary time more easily set aside. The logical reasoning laid down for the necessity of publicity for the pharmacist seems extremely sound, and would produce a second more beneficial scheme of "Chemists' Friends." As a customer remarked in the shop, after asking for a popular acid. acetylsalicylic. tablet at present in short supply, on being told by another customer that a supply was available at the local ironmonger's, "Well, it's a . . . fine thing to have to go there to get that."

Yours faithfully,

Smethwick, Staffs. HORACE READ.

SIR,—Poster-showing, films, demonstrations, lectures! For what? To educate the public to swallow fewer proprietary medicines? To teach the "man in the street" how to live a healthy life? How? By enrolling the pharmacist as an unpaid propagandist. By utilising his window as free poster space, by snatching some of the leisure from his seven days a week poorly-paid Government-contracted services. Why? Because the Government have been beaten at the post by "big business." The passing of the 1941 Pharmacy Act did away with "patent" medicines and left the pharmacist with dangerous drugs and National Health Insurance dispensing, and put thousands of new accounts on the books of manufacturers. The enormous trade done in national proprietaries has now passed to a grea extent into the hands of the bazaars anc stores. Give the pharmacist his rightfu place as the purveyor of whatever medica tion the public require, pay him for tha job instead of having it subsidised by cosmetics, cameras and confectionery, anc this health education will succeed. A present the sudden appeal for help by th Ministry of Health is embarrassing to a least one pharmacist.—Yours faithfully,

Scotland. R. E. BELL.

Honours for Apprentices

SIR,—The letter appearing in your issu of January 8 on "Apprentices' Prospects may convey the impression that limite companies are able to train apprentice more effectively for honours than is th private chemist. This is certainly not sc and the awards gained by my own apprer tices in less than twenty years should com pletely dispel the idea. I control a ordinary pharmacy, of fair size, and hav been most interested in my pupils, of whor I have had ten during the period unde review. The successes include:—

One Leverhulme scholarship with gol medal and prize of books;
One runner-up for Leverhulme schola ship;
One Bachelor of Pharmacy;
Five Pharmaceutical Chemist;
Two Gerrard gold medals (for Ph.C. course)
One silver medal (for C. and D. course);

together with several prizes for C. and I College examinations, the recital of whic would lengthen this letter unduly. Lest should be thought that for these honours am seeking personal praise, I sign mysel simply, M.P.S.

"C. & D." Diary Appreciations

Many thanks for your *Diary and Yec Book*. It is my first copy and I think grand.—C. C. C., Belfast.

Once more I have the pleasant task c acknowledging with thanks the receipt c a copy of your *Diary and Year Book*. I the fifth year of the war this is a wonderfi production, the result, no doubt, of victor over difficulties that we, the users, can onl guess at. The special articles, added to th usual information, form a manual of th greatest practical value.—*Carpe Diem.*

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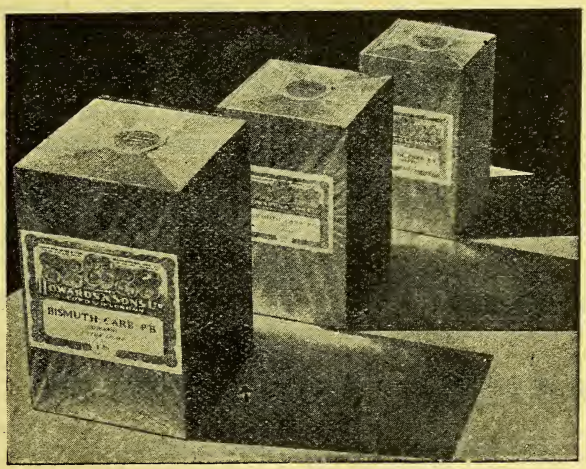

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THE CHEMIST & DRUGGIST DIARY AND YEAR-BOOK, 1936
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	20 gr. ,,	1/10½	1/2	+	2½	14/–	+	2/4
IQUID	40 c.c. bottle	3/4½	2/1½	+	4½	25/3	+	4/3
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0 gr. Nozzled tube		3/4½	2/1½	+	4½	25/3	+	4/3
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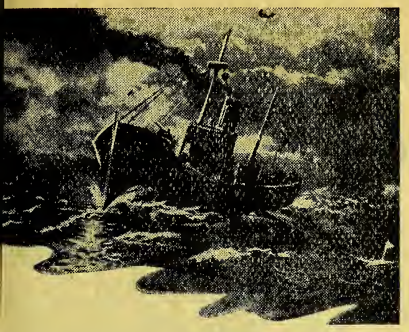

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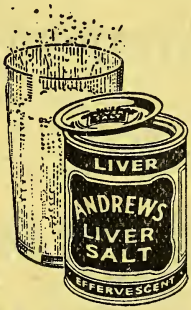

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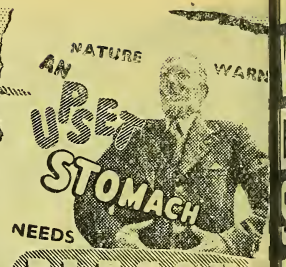

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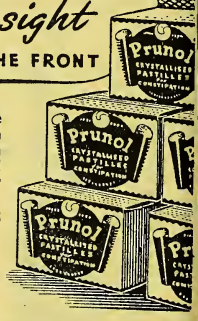

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Prunol sells at 7d. & 1/5
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THE IDEAL FRUIT LAXATIVE

A Greatly Improved Parmint Cough Syrup

The new improved formula of the ready mixed Parmint Cough Syrup makes it remarkable value for money.

The adult dosage is now only 1–2 teaspoons, so the 1/5 bottle contains nearly twice as many doses.

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D.D.D. Balm, the non-greasy ointment for skin troubles, has been widely welcomed d is now in free supply. It possesses the he active ingredients and therapeutic value the treatment of skin disorders as the hous liquid D.D.D. Prescription. Does not w on skin nor stain linen. D.D.D. Balm xtensively advertised in the National Press d Showcards are available on request.

Trade Terms **16/-** per dozen.
Purchase Tax 2/8 per dozen.
Inclusive Retail Price 2/- per jar

D.D.D. Co. Ltd. London

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75% OF YOUR CUSTOMERS NEED

SAMONA

The well known Restorative

This wonderful Medical Restorative BRINGS IMMEDIATE RELIEF IN ALL CASES OF NERVE STRAIN, DEPRESSION, TIRED and LISTLESS APPEARANCE, MENTAL and PHYSICAL EXHAUSTION.

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Temple Bar 3629

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[45/25]

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

JANUARY 15 1944

28 ESSEX STREET, LONDON, W.C.2

plement Advertisements must be prepaid and should reach us not later than FIRST POST WEDNESDAY eek of issue. Box Office numbers 1/- extra. Late advertisements will be held over to following week.

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NR. WICKFORD, ESSEX

Dispensary Assistant required (male or female) to work under the supervision of the Pharmacist. Must have had good experience, preferably in a large hospital, and have passed the Intermediate Examination of the Pharmaceutical Society, or hold the Apothecaries Hall certificate. Salary according to experience up to £200 per annum. Board and lodgings provided in hospital if required at a weekly charge of 21s. Apply, giving full details of age, experience, etc., to the Medical Superintendent, as soon as possible.

SURREY COUNTY COUNCIL

PHARMACISTS at Epsom County Hospital, Dorking Road, Epsom, and Warren Road Hospital, Guildford. Candidates must be M.P.S. or Ph.C. Comm. Salary according to experience on grade £275 × £10—£325 p.a. plus war bonus 14s. p.w. Apply to Medical Superintendent.

EXPORT TRADE

ESSRS. DINKER & CO., 88 Vithalbhai Patel Road, Bombay, 4, General merchants and ts, invite connexions from competitive manurers and reliable exporters handling chemicals, s, colours and allied articles for chemical trade,

SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

Employment of Women (Control of Engagements Order 1942)

With certain exceptions, women over 18 and under 41 years of age seeking Employment and Employers seeking to engage such women are now required to do so only through the local office of the Ministry of Labour and National Service or an approved employment agency.

RETAIL (HOME)

BARKERS of Kensington require a qualified Assistant, male or female, for their dispensary. Must be exempt national service. Elderly man preferred. Apply Staff Manager, 13 Young Street, W.8.

DISPENSER, experienced, exempt military duties. Part or full time. Central London. Apply Lewis & Burrows, Ltd., 146 Holborn, E.C.1.

LADY Assistant Dispenser (Hall), experienced, required. Apply stating age, experience and salary required to Secretary, Bedford Provident Dispensary and Public Medical Service, 3 St. Peter's Street, Bedford.

LONDON CO-OPERATIVE CHEMISTS, LTD., invite applications from Qualified Pharmacists for progressive positions with post-war prospects in the London Suburban areas. Applications stating full details and experience should be submitted to Chief Pharmacist, 54 Maryland Street, Stratford, London, E.15.

NEALE & JENKINS, LTD., 18 Medway Parade, Perivale, Middlesex, require the services of an Unqualified Lady or Gentleman as Assistant. Please write full particulars, including salary required, to the secretary, or telephone Perivale 3227 for appointment.

NEALE & JENKINS, LTD., 2 Teignmouth Parade, Perivale, Middlesex, wish to obtain the services of a Qualified Lady or Gentleman Pharmacist as Locum Tenens for the forthcoming summer holidays. The engagement will be for the months of June, July and August if possible, or part of that time by arrangement. Please write to secretary, giving full particulars and salary required.

ORRIDGE & CO., Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from Pharmacists and Unqualified Persons requiring Situations, except women between the ages of 18 and 41. Progressive vacancies available. Excellent opportunities exist for Unqualified Assistants.

PHARMACY. The Royal Arsenal Co-operative Society Limited has a vacancy for a Qualified Manager. Progressive position. Good conditions of employment and no Sunday or Holiday duties. Apply in writing, stating age, experience, position under the National Service or Registration for Employment Order Acts, and salary required, to the Staff Manager, Royal Arsenal Co-operative Society, Limited, 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy."

QUALIFIED Locum required for 3 months February to April inclusive or for the last six weeks. A. V. Tilt (Chemists), Ltd., 454 Lodge Avenue, Dagenham, Essex.

QUALIFIED Pharmacist required, for good-class business in country market town. Early hours, no Sunday or holiday duty. Good salary and prospective post-war permanency. Staff of four employed. Apply, giving particulars of experience, with copy of references and salary required, to J. Thomas (Garstang), Ltd., Market Place, Garstang, Nr. Preston, Lancs.

SOMERSET. Qualified Lady required, exempt or over military age to work with lady; easy post, no half day or Sunday duties. Accommodation if necessary. Country town. Apply by letter CDB/241, London Office of this Paper.

SOUTHALL District. Experienced Qualified Manager required immediately for substantial business. Excellent progressive and permanent position. Salary equivalent to £10 weekly. Apply 554/689, London Office of this Paper.

TAYLORS BRITISH CHEMISTS have vacancies for Qualified Managers and Assistants, male or female, in the Midlands, North of England and Scotland. Apply Retail Staff Department, Burley Hill, Leeds, 4.

TIMOTHY WHITES & TAYLORS will shortly have vacancies for Pharmacists, male or female, as Managers for Branches at Haywards Heath, Bournemouth, Basingstoke, Weybridge (separate flat), Horsham, Grantham, Romsey and Brighton. Local interviews arranged. Full particulars to Retail Drug Department, 70 Vauxhall Bridge Road, London, S.W.1.

UNQUALIFIED Assistant required for working class type business in East End. Capable person required. Hard work but good wages. Write 554/690, London Office of this Paper.

WANTED Assistant Dispenser, permanent position. Over military age or otherwise exempt. Write stating age, experience and salary required to Secretary, Luton Medical Institute, 38 Waller Street, Luton, Beds.

WANTED well recommended Manager, exempt, for permanency in pleasant East Anglian town. Comfortable with no Sunday or holiday duty. £9 9s. Apply with references to 554/688, London Office of this Paper.

WEST LONDON. Capable Assistant for busy cheerful shop. Mostly counter work. No, N.H.I. Hours 9 to 5.30. Qualification not essential. 555/714, London Office of this Paper.

WORKINGTON, CUMBERLAND. Qualified Pharmacist required for March 6, 1944, to take charge due to call up of Manager. Apply Retail Staff Department, Taylors Drug Co., Ltd., Burley Hill, Leeds.

£10 a week offered to a Qualified Manager for duration, S. Wales area. Easy hours, ample assistance, no Sunday or half-day duty. Experience and references to 554/708, London Office of this Paper.

WHOLESALE

A PERMANENCY is offered first class representative with connexions among Stores, Chemists, Hairdressers, etc., Midlands area. Salary, commission and expenses. Full particulars, experience, age, etc., 554/697, London Office of this Paper.

AMPOULE Department. Permanent position for capable man or woman to take charge under chief chemist; exempt, for essential work Metropolitan area; full details of experience and salary expected. 554/693, London Office of this Paper.

APPLICATIONS are invited by old-established London House of Manufacturing Chemists for a Qualified Man as Assistant Works Manager with a view to taking full control after a preliminary period. The vacancy offers an excellent opportunity for a man of ability and initiative, must be good organiser and capable of controlling staff. Previous experience an advantage but not essential. Exempt military service. Write, giving full details of qualifications, experience, age and salary required. CDB/238, London Office of this Paper.

ANALYTICAL Chemist with good qualification and experience will find interesting scope for work with well-known Manufacturing Chemists engaged largely on Government Contracts. Essential qualifications for this progressive position are (*a*) Sound Knowledge of Modern Analytical Methods as applied to Pharmaceutical practice. (*b*) Ph.C., F.I.C. or equivalent degree. Commencing salary £400–£500 per annum according to experience. Applicants who should be over 35 or ineligible for military service, should give details of qualifications, experience and when disengaged. CDB/243, London Office of this Paper.

AN old-established London Wholesale Drug House requires an M.P.S. to take charge of the Poisons and D.D. Department. State age, experience and salary required, to CDB/233, London Office of this Paper.

EXPERIENCED Pharmaceutical Foreman Tablet Maker. Permanency, modern conditions, 44 hour week. Well-known Lancs. Manufacturers large scale production. Reply first instance, giving salary required, liability to Military Service and full particulars. 554/695, London Office of this Paper.

EXPERIENCED Pill Maker required, exempt military service, progressive opportunity. State experience and wages required. CDB/237, London Office of this Paper.

MANUFACTURERS require well introduced Wholesale Agents who have first class connexions with Wholesale Hairdressers, Chemists and Druggists Sundries Men. A connexion with the Toilet, Perfumery and Haberdashery Departments of Wholesale Warehouses is also required, but this is secondary to the connexion with Hairdressers, Chemists and Druggists Sundries Men. Areas: Office in Newcastle covering Northumberland, Durham and North and East Yorkshire. Office in Birmingham covering Midlands, Leicester, Nottingham, the Potteries and Staffordshire. Office in Bristol covering Gloucester, Somerset, South Wales, Wiltshire, Cornwall, Devon, Hampshire and Dorset. Eastern Counties. Only first-class men with ACTIVE accounts need apply. Supply full particulars and include class of merchandise already carried and type of accounts to Box B.54, Metcalf Advertising, Ltd., 22 King Charles Street, Leeds, 1.

MIDLANDS and S. Wales Territory. London Tablet Firm requires the services of a Representative with some Retail experience, exempt military service, to work and extend existing connexion. Preferably resident in Birmingham district. State territory covered, experience and nature of goods previously carried, age, remuneration required and when available, all in first letter which will be treated in confidence. CDB/236, London Office of this Paper.

PH.C. or B.Pharm. recently qualified required for laboratory of well-known firm of manufacturing chemists in North London. Write giving particulars of age, education and training to 554/691, London Office of this Paper.

PROGRESSIVE Organisation requires Qualified Chemist for Pharmacy Department. Either sex exempt national service. Good salary and prospects. 444/353, London Office of this Paper.

REPRESENTATIVE required for Glasgow and the West of Scotland to represent wholesaler in cosmetics. Side line or full time. Excellent commission. 554/682, London Office of this Paper.

REPRESENTATIVE with good connexion among Yorkshire chemists, required to carry as a side line, on commission only, two good quality, easy selling cosmetic lines. 554/694, London Office of this Paper.

EPRESENTATIVE on commission for old-established line required for London district. 716, London Office of this Paper.

EPRESENTATIVES required by firm of wholesalers to call on Chemists and Stores with lines Cosmetics, on commission basis. The following tory is open: Durham, Northumberland, Westland, Midlands, Cornwall, Somerset, Devon. te in confidence to 554/706, London Office of this er.

EPRESENTATIVE required by an old-established Wholesale Drug House, covering the ern Counties, calling upon Doctors, Chemists, pitals, etc. State age and experience. CDB/234, don Office of this Paper.

EQUIRED Research Chemist to take control of manufacturing. Box No. 8033, Knox & dy, Ltd., 72 Fleet Street, E.C.4.

EPRESENTATIVES (5) required preferably with Chemists' connexions by national organisation keting chemists' proprietaries and allied food ucts. London, Kent, Devon, Liverpool, S. Wales s. Salary, commission and expenses. Write mist, Box W.50230, Haddons, Salisbury Square, don, E.C.4.

EPRESENTATIVES with sound connexion among Chemists and Ladies' Hairdressers ired from first-class chemists' sundries house for cashire, Yorkshire, South Wales, Devon, Corn- on salary and generous commissions. 554/709, don Office of this Paper.

ALL Private Company about to be formed desires to contact experienced Perfumery mist with full knowledge of powder bases, veget- oils, etc. Full time progressive appointment for on who must have creative ability and initiative. 701, London Office of this Paper.

LESMEN calling upon Chemists and Stores to handle well-established advertised products on mission basis. Excellent opportunity for keen able to get results. Full particulars of lines dled and territory covered to Box 685, Armstrong rden, 69 New Oxford Street, W.C.1.

HE Manufacturers of "Super Sope" are desirous of getting in touch with representatives in all s, possessing well-established connexions for ng their well-known product in bulk and bottles. erous commission accorded on this readily sale- line to chemist and allied trades, also department es, Co-ops., etc. Selmer (Chemical) Co., 1 and 1a yton Street, London, W.C.2.

COLONIAL

LD established Chemists (Headquarters and branches in Northern Rhodesia) require fully lified man, preferably under thirty years of age P.S.). Capable of managing Branch. Three years tract. Steamer passage and rail fare paid. Monthly ry first year £37 10s., second year £40, third year 10s. Government will facilitate sailing arrange- nts. Applications to be made by letter only to p Brothers, Ltd., 35 Great Charles Street, Bir- gham, 3.

VERSEAS EMPLOYMENT. Assistant Pharma- cist required for the Tanganyika Territory lical Department for one tour of 2 to 3 years h possible permanency. Salary £372–£18–£480– –£600 a year. Commencing salary according to lifications and experience. Cost of living allow- e is payable to married men according to salary dependants. Free passages and quarters. Candi- es must be qualified Pharmacists with experience the manufacture of galenicals and accustomed to nagement and maintenance of mechanical plant, luding tablet machinery. Written applications interviews) giving details of age, National and ned Forces Registration numbers, training, experi- e, and name of present employers, should be sent The Secretary, Overseas Manpower Committee f. 1218), Ministry of Labour and National Ser- e, Alexandra House, Kingsway, London, W.C.2.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

UNQUALIFIED Chemist, young, experienced all branches of trade, requires change; living accommodation required. Good dispenser. Exempt military service. CDB/244, London Office of this Paper.

WHOLESALE

ADDITIONAL Agency required by well known representative with excellent connexion South West England and South Wales. CDB/239, London Office of this Paper.

ADDITIONAL line required by experienced and successful Representative of world-known proprietary in Midlands and Wales. Excellent connexion chemists, stores, wholesale grocers. Only reputable firms considered. Commission basis. 554/684, London Office of this Paper.

APPOINTMENT at cessation, relaxation of E.W.O. or slightly before. Provisional basis now acceptable. Pharmacist-recommended Representative (35), 15 years' solid visiting, desires represent trusted Manufacturers enterprising enough to plan now recapturing their London, Southern Market and lapsed goodwill quickly after war. Magnificent connexion drugs, packed lines, dressings, sundries, responsible, esteemed, unflagging. Life service to decent firm appreciating decent business man on road. For "Market Rust" positive solvent is resourcefulness. Apply early. 555/715, London Office of this Paper.

EXPERIENCED Buyer, drugs, chemicals, sundries, dressings, patent medicines, etc., desires change (ineligible military service), or would undertake district representation for a first-class house. Excellent record. 555/713, London Office of this Paper.

REPRESENTATIVE, exempt military service, 26 years' connexion Midland chemists, good sales records, seeks position. F. E. Talbot, "Taldene," Manor Lane, Quinton, Birmingham, 32.

SALESMAN with fine record, ten years experience drug trade proprietaries, Southern Counties and Coast, seeks immediate appointment, first class connexion. Just released from munitions on medical grounds. Write S Govett, 24 Buckingham Place, Brighton.

WELL-KNOWN Manchester Drug and Smallware Agent is open to represent one additional Manufacturer. CDB/230, London Office of this Paper.

BUSINESS OPPORTUNITIES

7/6 for 40 words or less, 2d. for every additional word.

MESSRS. ALBAN PHARMACY, Pharmacists, 2 Victoria Street, P.O. Box 461, Lagos, Nigeria, British West Africa, ask for offers from Manufacturing Firms of Chemists' Sundries, Patent and Proprietary preparations, Pharmaceutical Goods, Toilet preparations and Photographic materials, for sale in Nigeria. Agency or buying terms.

TABLETS. Well-known manufacturers wish to contact firm with Tabletting capacity who could undertake contracts for production of Proprietary Tablets (uncoated). Several million required weekly. CDB/242, London Office of this Paper.

WELL known firm of chemical manufacturers are seeking for new products of any kind which are uncontrolled and can command a large sale. Generous terms will be accorded to any line which is accepted and all communications will be treated in strictest confidence. 554/703, London Office of this Paper.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word.

CHEMIST'S business (Edinburgh) for sale through proprietor's mobilisation; turnover, £27 per week; audited accounts available. Box 424, Robertson & Scott, Edinburgh, 2.

WILLINGHAM, Cambridgeshire. For Sale by Auction, on January 21, by order of executors, Substantial Freehold Brick and Slate House and Shop in the main street, with the goodwill of the old-established business of Druggist (formerly Chemist and Druggist). Stock-in-Trade at Valuation. No other chemist's shop in the village; population about 1750. Particulars of the Auctioneer, Cyril Watts, F.A.I., St. Ives, Hunts.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word.

CHEMIST wishes to purchase small Retail Pharmacy in Birmingham or district. Full particulars to Box 738, Mundy, Gilbert & Trotman, Advertising Agents, Birmingham, 2.

ESTABLISHED Business wanted by Pharmaceutical Chemist, Midlands, West, or South-west. Family trade and dispensing. No optics. Turnover £2,500–£4,000 or thereabouts. Good living accommodation essential. Lease or purchase premises; capital available. Replies treated in strict confidence and personally investigated. 554/704, London Office of this Paper.

REGISTERED Toilet Preparation Business required as going concern. Please send details in confidence. CDB/240, London Office of this Paper.

REQUIRED to purchase small cosmetic manufacturing business. Replies in strict confidence to 554/699, London Office of this Paper.

RETAIL Chemist business required in busy shopping centre, London or suburbs. Large shop preferred, owner to remain as manager. Send details and price required. 554/681, London Office of this Paper.

AGENCIES

7/6 for 36 words or less, 2d. for every additional word.

AGENT fully established in S., S.E. and S.W. England supplying Retailers seeks new lines suitable Chemists, Hairdressers, Drapers, Stores. Advertiser has car and permit. Willing carry good but only interested in large turnover. 554/692, London Office of this Paper.

ESTABLISHED pharmaceutical distributors with representatives calling on chemists throughout the country require a sole distributing agency for a sound line with good post-war prospects. 554/707, London Office of this Paper.

ENERGETIC and Active Agent calling with manufacturing chemists, London and South, wishes to carry a few additional lines (except Gums). Would look after existing connexions and/or undertake distribution if necessary. Labour available; good references; security. 554/711, London Office of this Paper.

PHARMACEUTICAL Chemist (Eire qualification) doing retail, wholesale and manufacturing business, wishes to secure sound agencies for Eire, present and post-war. Prepared to pack and distribute Pharmaceutical and allied lines. Experienced in handling big turnover. Capital available. 554/702, London Office of this Paper.

SCOTTISH Company with extensive connexion among chemists, stores and factories, for first-aid supplies, seek additional lines, preferably with post-war value. Agency or buying terms. 553/673, London Office of this Paper.

WANTED

7/6 for 36 words or less, 2d. far every additional word.

ASPIRIN Powder, Crystals, Grans., and 5-gra tablets, required in large or small quantiti Highest market prices paid. 442/304, London Offi of this Paper.

MACHINE for filling 8-oz. tins, thick paste mater used. Hand or power operated. 554/71 London Office of this Paper.

OFFERS invited of sound lines from chemis sundriesmen. 554/710, London Office of th Paper.

SPERMACETI, White, required in large or sm quantities. Offers to Langley Chemical C Ltd., Manfield House, Strand, London, W.C.2.

WANTED, Microscopes, all models, particular good outfits up to £300 or £400. High pric immediate cash. Wallace Heaton, Ltd., 127 N Bond Street, W.1.

WANTED for Spot Cash, National, Remingt and Gledhill Cash Registers, all sizes, a immaterial; any quantity entertained. Amalgamat Business Machines, Ltd., 64 Mortimer Street, W Phone Museum 0941. Repairs, Sales, Exchanges.

WANTED for Cash, Saccharin Tablets Standa strength, large or small quantities. H. E. & Hickinbottom, 23 Cornhill, Allestree, Nr. Derby.

WANTED. Vacuum Filling Plant suitable t bottles, jars, etc., required, or name of man facturer of such plant. Particulars, etc., 554/69 London Office of this Paper.

WANTED. Small Grinding Mill, preferab enamelled, second-hand or new. 554/70 London Office of this Paper.

100 GROSS each size 5, 6, 10, 12 oz. wide mou jars. Osborne type. Complete with scre caps and wads. 100 gross each size Kilner Type gl jars 1, 2, 3-pint. Delivery as soon as possible. Co pleted by May 1. Tablet bottles, screw cap, all siz 250 gross 4-oz. screw cap panels, white flint. Fi quality. All or part immediately. 554/700, Lond Office of this Paper.

MISCELLANEOUS SALES

12/6 for 60 words or less, 1/- each additional 10 words or l

FOR Sale: 20,000 gross best quality waxed cor 1 in. long, ¾ in. top, 9/16 in. tail. Box No. 2 C.R.C., Ltd., 21 Wellington Road, N.W.8.

150,000 (12's) Aspirin Cartons; 5 gall. Am Acetate; 14 lb. Salts Lemo 100 gross India-rubber Stoppers; 2 and 4 oz. O Pots; Travellers' sample cases. Tube filling machi with closing and clipping machines. 10 mm. Sprin lers; Browns Alembic; Shampoo Envelopes; 1 l Ol. Sandalwood, W.I.; 150 gross 1″ Screw Cap 4 lb. Balsam Copaiba. Savage, "St. Leu," Low Kingswood, Surrey.

FOR SALE (Retailer's Surplus)

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TABLET-MAKING Machine for sale. Good worki condition. Write 554/696, London Office this Paper.

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